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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
E W ALLEN CHIEF



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING JANUARY 1928

Note:-The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

The use and duty of water in the Salt River Valley. J. C. Marr and G. E. P. Smith. (Arizona Sta. Bul. 120, p. 57-97, 13 figs. July, 1927.)

Vitamin-like substances in plant nutrition. J. F. Breazeale. (Arizona Sta. Tech. Bul. 16, p. 400-417, 2 figs. Aug., 1927.)

The immunization of fowls against chicken-pox (Epithelioma contagiosum) by subcutaneous injection of virus. J. R. Beach. (Hilgardia [California Sta.], vol. 3, No. 3, p. 41-97, 3 figs. Dec., 1927.)

Report on inspection of commercial fertilizers, 1927. E. M. Bailey. (Connecticut State Sta. Bul. 290, 38 + X p. Oct., 1927.)

Prolonging the life of tobacco shade tent poles. H. W. Hiccock and P. J. Anderson. (Connecticut State Sta., Tobacco Substa. Bul. 9, 127 p., 7 figs. Nov., 1927.)

Five year trends in Connecticut agriculture, 1920-1925. I. G. Davis and J. R. Jacoby. (Connecticut Storrs Sta. Bul. 146, p. 102-238, 33 figs. Nov., 1927.)

Why cream tests vary. D. R. Theophilus. (Idaho Sta. Circ. 50, 3 p. Dec., 1927.)

Lessons from the Morrow plots. E. E. DeTark, F. C. Bauer, and L. H. Smith. (Illinois Sta. Bul. 300, p. 106-140, 20 figs. Dec., 1927.)

Movable hog houses. W. A. Foster and W. E. Carroll. (Illinois Sta. Circ. 320, 20 p., 30 figs. Dec., 1927.)

The place of hog production in corn-belt farming. H. C. M. Case and R. C. Ross. (Illinois Sta. Bul. 301, p. 146-179, 7 figs. Dec., 1927.)

Learning to live with the European corn borer. W. P. Flint, J. C. Hackleman, F. C. Bauer, and I. P. Blauser. (Illinois Sta. Circ. 321, 15 + 1 p., 2 pls., 11 figs. Jan., 1928.)

Commercial fertilizers, 1927. J. M. Bartlett. (Maine Sta. Off. Insp. 125, p. 37-60. Oct., 1927.)

Commercial agricultural seeds, 1927; insecticides and fungicides, 1927. J. M. Bartlett, C. H. White, E. E. Plummer, and B. M. Babbin. (Maine Sta. Off. Insp. 126, p. 61-84. Dec., 1927.)

- Head formation in apple trees. J. K. Snaw. (Massachusetts Sta. Bul. 238, p. 146-117, 16 pls., 3 figs. Oct., 1927.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station. J. E. Ostrander and H. Baumgartner. (Massachusetts Sta. Met. Bul. 468, 4 p. Dec., 1927.)
- Wheats in central Montana. R. W. May. (Montana Sta. Bul. 203, 28 p., 8 figs. May, 1927.)
- Cultural methods for winter wheat and spring wheat in the Judith Basin. A. Osenbrug. (Montana Sta. Bul. 205, 53 p., 20 figs. July, 1927.)
- The "lunger" disease of sheep. H. Welch and H. Marsh. (Montana Sta. Bul. 210, 8 p. Aug., 1927.)
- Winter feeding beef breeding cows. C. N. Arnett and R. C. McChord. (Montana Sta. Bul. 211, 10 p. Sept., 1927.)
- Growth and development, with special reference to domestic animals: I, Quantitative data. S. Brody et al. (Missouri Sta. Res. Bul. 96, 132 p., 85 figs. Dec., 1926.)
- The seedbed factor in winter wheat production. T. A. Kiesselbach, A. Anderson, and W. W. Burr. (Nebraska Sta. Bul. 223, 31 p., 3 figs. July, 1927.)
- Sprinkling irrigation on vegetable farms in New Jersey. H. F. Huber, E. R. Gross, and D. B. Lucas. (New Jersey Stas. Bul. 453, 48 p., 27 figs. Nov., 1927.)
- Analyses of materials sold as insecticides and fungicides during 1927. C. S. Cathcart and R. L. Willis. (New Jersey Stas. Bul. 459, 16 p. Oct., 1927.)
- Seedbed treatment for diseases of cruciferous crops on Long Island. E. E. Clayton. (New York State Sta. Bul. 537, pop. ed., 7 p., 1 fig. Jan., 1927.)
- Preventing spoilage in catsup. C. S. Pederson and R. S. Breed. (New York State Sta. Bul. 538, pop. ed., 7 p., 1 fig. Jan., 1927.)
- The bimonthly bulletin. (Ohio Sta. Bimo. Bul., vol. 13, No. 1, 32 p., 5 figs. Jan.-Feb., 1928.)
- Church activities of farm women and their families. G. Fernandez. (Oklahoma Sta. Bul. 169, 14 p. [1928])
- Fattening rations for swine. M. F. Grimes. (Pennsylvania Sta. Bul. 215, 15 p., 4 figs. Sept., 1927.)
- Seasonal broiler production. T. B. Charles. (Pennsylvania Sta. Bul. 216, 19 p., 2 figs. Oct., 1927.)
- Pedigree poultry records. E. W. Callenbach. (Pennsylvania Sta. Bul. 217, 23 p., 21 figs. Dec., 1927.)
- Rearing chicks in confinement. T. B. Charles and H. C. Knaedel. (Pennsylvania Sta. Bul. 218, 12 p., 4 figs. Jan., 1928.)

Fortieth annual report of the South Carolina Experiment Station of Clemson Agricultural College for the year ended June 30, 1927. H. W. Barre. 106 p., 34 figs.

Crop rotation in the Blackland region of central Texas. E. B. Reynolds and D. T. Killough. (Texas Sta. Bul. 365, 21 p. Sept., 1927.)

Commercial fertilizers in 1926-27 and their use. G. S. Fraps and S. E. Asbury. (Texas Sta. Bul. 368, 61 p. Oct., 1927.)

The effect of salt water on rice. C. S. Fraps. (Texas Sta. Bul. 371, 10 p. Dec., 1927.)

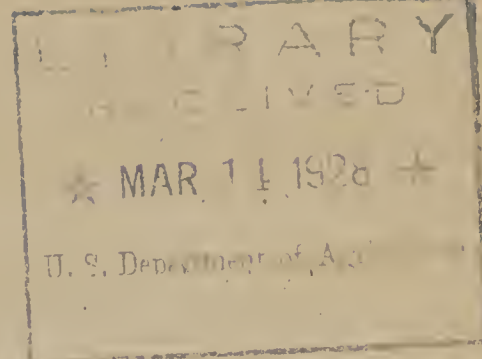
Digestibility and production coefficients of poultry feeds. G. S. Fraps. (Texas Sta. Bul. 372, 24 p. Jan., 1928.)

Studies in tolerance of New England forest trees.--VII, Leaf efficiency in thrifty and stunted white pine seedlings. G. P. Burns. (Vermont Sta. Bul. 267, 27 p., 10 pls., 5 figs. Apr., 1927.)

Wyoming forage plants and their chemical composition: Studies No. 8. O. McCreary. (Wyoming Sta. Bul. 157, p. 89-106. Nov., 1927.)

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LIST OF STATION PUBLICATIONS
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Note:- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

The farm tax problem in Arkansas. C. O. Brannen. (Arkansas Sta. Bul. 223, 63 p., 14 figs. Feb., 1928.)

The digestibility of certain fruit by-products as determined for ruminants: Part II, Dried pineapple pulp, dried lemon pulp, and dried olive pulp. S. W. Mead and H.R. Guilbert. (California Sta. Bul. 439, 11 p. Nov., 1927.)

Series on California crops and prices: Beans. H. R. Wellman and E. W. Braun. (California Sta. Bul. 444, 62 p., 17 figs. Dec., 1927.)

Economic aspects of the apple industry. E. Rauchenstein. (California Sta. Bul. 445, 76 p., 17 figs. Dec., 1927.)

A study of the pathogenic and antigenic properties of Eberthella gallinara Klein -- E. sanguinaria Moore. C. C. Palmer and H. R. Baker. (Delaware Sta. Bul. 153, 14 p. Jan., 1928.)

Pecan-growing in Florida. G. H. Blackmon. (Florida Sta. Bul. 191, p. 81-143, 46 figs. Nov., 1927.)

How the boll weevil ingests poison. E. F. Grossman. (Florida Sta. Bul. 192, p. 145-172, 6 figs. Jan., 1928.)

Seventh annual report [Georgia Coastal Plain Station], 1926. S. H. Starr. (Georgia Coastal Plain Sta. Bul. 8, 55 p., 1 fig. June, 1927.)

Growth and senescence in purebred Jersey cows. F. A. Davidson. (Illinois Sta. Bul. 302, p. 181-235, 17 figs. Jan., 1928.)

A manual for dairy calf club members. C. S. Rhode. (Illinois Sta. Circ. 322, 26 p., 12 figs. Jan., 1928.)

Standardization of ice-cream mixes. P. H. Tracy. (Illinois Sta. Circ. 323, 36 p. Feb., 1928.)

Big teams on Illinois farms. E. T. Robbins. (Illinois Sta. Circ. 324, 16 p., 13 figs. Feb., 1928.)

The long-row farm garden from planting to storage. (Illinois Sta. Circ. 325, 20 p., 5 figs. Feb., 1928.)

Factors in the management of the ice cooled refrigerator in the home. R. Jordan. (Indiana Sta. Bul. 316, 32 p., 4 figs. June, 1927.)

Commercial feeding stuffs. H. R. Kraybill et al. (Indiana Sta. Circ. 147, 36 p. Aug., 1927.)

Value of some of the glass substitutes in growing chicks. R. L. Cochran and H. A. Bittenbender. (Iowa Sta. Bul. 246, p. 169-184, 14 figs. Jan., 1928.)

Seed treatment for corn diseases. I. E. Melhus et al. (Iowa Sta. Circ. 108, 16 p., 11 figs. Jan., 1928.)

Equipment for swine production. B. M. Anderson and V. R. Hillman. (Kansas Sta. Bul. 243, 46 p., 32 figs. Oct., 1927.)

Effects of shortage of farm storage space and inability to get local bank credit on the movement of Kansas wheat to market. R. M. Green. (Kansas Sta. Bul. 244, 28 p., 6 figs. Nov., 1927.)

The fungous flora of Kansas. E. Bartholomew. (Kansas Sta. Special Res. Bul., un-numbered. 46 p. 1927.)

Analyses of commercial fertilizers. H. E. Curtis, H. R. Allen, and L. Gault. (Kentucky Sta. Bul. 276, p. 529-699. Dec., 1926.)

The pectic constituents of tomatoes and their relation to the canned product. C. O. Appleman and C. M. Conrad. (Maryland Sta. Bul. 291, 17 p., 2 figs. Sept., 1927.)

The phlox plant bug [Lopidea davisii Knight]. E. N. Cory and P. A. McConnell. (Maryland Sta. Bul. 292, p. 15-22, 11 figs. Sept., 1927.)

The effect of overrun, temperature and composition on the dipping losses of ice cream. H. R. Bierman. (Maryland Sta. Bul. 293, p. 23-34. Sept., 1927.)

Intensity or rate of laying in relation to fecundity. F. A. Hays and R. Sanborn. (Massachusetts Sta. Tech. Bul. 11, p. 179-194. Nov., 1927.)

Inspection of commercial feedstuffs. P. H. Smith et al. (Massachusetts Sta. Control Ser. Bul. 40, 27 p. Nov., 1927.)

Inspection of commercial fertilizers for the season of 1927. H. D. Haskins, L. S. Walker, and M. W. Goodwin. (Massachusetts Sta. Control Ser. Bul. 41, 37 p., 1 pl. Dec., 1927.)

Inspection of agricultural lime products for the season of 1927. H. D. Haskins, M. W. Goodwin, and J. W. Kuzmeski. (Massachusetts Sta. Control Ser. Bul. 42, 5 p. Dec., 1927.)

Meteorological observations at the Massachusetts Agricultural Experiment Station. J. E. Ostrander and H. Baumgartner. (Massachusetts Sta. Met. Bul. 469, 4 p. Jan., 1928.)

Report of progress in tobacco investigation. J. P. Jones. (Massachusetts Sta. Circ. 74, 8 p. Apr., 1927.)

The management of Michigan muck soils for the production of onions. P. M. Harmer. (Michigan Sta. Spec. Bul. 168, 48 p., 14 figs. Dec., 1927.)

Studies in the etiology of roup and allied diseases of fowls. E. P. Johnson. (Michigan Sta. Tech. Bul. 85, 20 p., 6 figs. [1927].)

The Mexican bean beetle (Epilachna corrupta). R. H. Pettit. (Michigan Sta. Circ. 107, 8 p., 4 figs. Dec., 1927.)

Rations for fattening baby beeves and selection of calves for baby beef production. H. W. Vaughan. (Minnesota Sta. Bul. 237, 51 p., 31 figs. Nov., 1927.)

Forest planting experiments in Minnesota. T. S. Hansen. (Minnesota Sta. Bul. 238, 32 p., 22 figs. July, 1927.)

Soybeans and soybean hay in the dairy ration. O. G. Schaefer. (Minnesota Sta. Bul. 239, 16 p. Aug., 1927.)

Family living on successful Minnesota farms. J. D. Black and C. C. Zimmerman. (Minnesota Sta. Bul. 240, 25 p., 2 figs. Nov., 1927.)

A comparison of the toxicity and the diffusion in a column of grain of chloropicrin, carbon disulphide and carbon tetrachloride. A. L. Strand. (Minnesota Sta. Tech. Bul. 49, 59 p., 12 figs. Oct., 1927.)

Heartrot of aspen, with special reference to forest management in Minnesota. H. Schmitz and L. W. R. Jackson. (Minnesota Sta. Tech. Bul. 50, 43 p., 10 figs. Aug., 1927.)

Report of Northwest Experiment Station, Crookston, [Minn.], 1926. C. G. Selvig. 63 p., 11 figs.

Report of Northwest Experiment Station, Crookston, [Minn.], 1927. A.A. Dowell. 56 p.

Artificial manure production on the farm. W. A. Albrecht. (Missouri Sta. Bul. 258, 20 p., 11 figs. Nov., 1927.)

Growth and development, with special reference to domestic animals: VIII, Relation between weight growth and linear growth with special reference to dairy cattle. S. Brody. (Missouri Sta. Res. Bul. 103, 40 p., 31 figs. June, 1927.)

Growth and development, with special reference to domestic animals: IX, A comparison of growth curves of man and other animals. S. Brody. (Missouri Sta. Res. Bul. 104, 31 p., 25 figs. June, 1927.)

Growth and development, with special reference to domestic animals: X, The relation between the course of growth and the course of senescence with special reference to age changes in milk secretion. S. Brody. (Missouri Sta. Res. Bul. 105, 64 p., 45 figs. June, 1927.)

- Soil treatments and seasonal chemical changes in the sour cherry. A. G. Anderson and H. D. Hooker. (Missouri Sta. Res. Bul. 108, 27 p., 17 figs. Sept., 1927.)
- The relation of electricity to Missouri agriculture. R. R. Parks and J. C. Wooley. (Missouri Sta. Circ. 165, 11 p. Jan., 1928.)
- Results of seed tests for 1927, made for the State Department of Agriculture. M.G. Eastman. (New Hampshire Sta. Bul. 229, 19 p. Nov., 1927.)
- Inspection of commercial feeding stuffs, 1927, made for the State Department of Agriculture. T. G. Phillips and T. O. Smith. (New Hampshire Sta. Bul. 230, 53 p. Aug., 1927.)
- Hand spraying and hand dusting potatoes. O. Butler. (New Hampshire Sta. Circ. 26, 16 p., 6 figs. June, 1927.)
- Bacillary white diarrhea control in New Jersey, 1925-1927. F. R. Beaudette and J.J. Black. (New Jersey Stas. Bul. 458, 16 p. Oct., 1927.)
- State laws concerning mosquito control work in New Jersey.--Chapter 134, Laws of 1906 as amended by Chapter 143, Laws of 1927. (New Jersey Stas. Circ. 207, 8 p. Sept., 1927.)
- The oriental peach moth investigation in 1925 and 1926. L. A. Stearns. (New Jersey Stas. Circ. 208, 15 p., 4 figs. Oct., 1927.)
- Farmers' cooperation in New Mexico, 1925-1926. A. L. Walker. (New Mexico Sta. Bul. 164, 58 p., 7 figs. July, 1927.)
- The demand side of the New York milk market. H. A. Ross. (New York Cornell Sta. Bul. 459, 86 p., 38 figs. July, 1927.)
- A list of the insects of New York with a list of the spiders and certain other allied groups. M. D. Leonard. (New York Cornell Sta. Mem. 101, 1121 p., 1 fig., map. Aug., 1926.)
- Studies of the life history of Ustilago avenae (Pers.) Jensen and of U. levis (Kell. & Swing.) Magn. G. R. Gage. (New York Cornell Sta. Mem. 109, 35 p., 4 pls. July, 1927.)
- Fortieth annual report of the New York State College of Agriculture at Cornell University and of the Cornell University Agricultural Experiment Station, 1927. R. W. Thatcher et al. 156 p.
- Composition and prices of commercial fertilizers in New York in 1927. L. L. Van Slyke. (New York State Sta. Bul. 548, 20 p. Dec., 1927.)
- Thermophilic and thermoduric micro-organisms, with special reference to species isolated from milk: I, Review of literature. A. H. Robertson. (New York State Sta. Tech. Bul. 130, 56 p. Aug., 1927.)
- Thermophilic and thermoduric micro-organisms, with special reference to species isolated from milk: III, Description of the non-spore-forming thermoduric organisms isolated. A. H. Robertson. (New York State Sta. Tech. Bul. 131, 62 p. Aug., 1927.)

Dusting and spraying experiments with potatoes on Long Island in 1927. H. C. Hockett. (New York State Sta. Circ. 94, 10 p., 2 pls. Jan., 1928.)

Forty-sixth annual report [New York State Station] for the fiscal year ended June 30, 1927. R. W. Thatcher. 60 p.

Economic aspects of Ohio farmers' elevators. L. G. Foster. (Ohio Sta. Bul. 416, 77 p., 31 figs. Dec., 1927.)

Outfield experimental results, McClain County, for 1925, 1926, 1927. H. C. Potts. (Oklahoma Sta. Bul. 170, 8 p. Jan., 1928.)

Outfield experimental results, McIntosh County, for 1925, 1926, 1927. H. C. Potts. (Oklahoma Sta. Bul. 171, 7 p. Jan., 1928.)

Outfield experimental results, Creek County, for 1925, 1926, 1927. H. C. Potts. (Oklahoma Sta. Bul. 172, 8 p. Feb., 1928.)

Outfield experimental results, Nowata County, for 1925, 1926, 1927. H. C. Potts. (Oklahoma Sta. Bul. 173, 6 p. Feb., 1928.)

Influence of time of hatch on hatchability of the eggs, rate of growth of the chicks, and characteristics of the adult females. C. W. Upp and R. B. Thompson. (Oklahoma Sta. Circ. 67, 8 p., 1 fig. Oct., 1927.)

Agricultural outlook for Oklahoma, 1928. J. T. Sanders et al. (Oklahoma Sta. Circ. 68, 21 p. Feb., 1928.)

Immunity or resistance of the chicken to coccidial infection. W. T. Johnson. (Oregon Sta. Bul. 230, 31 p. Oct., 1927.)

The chemical composition of insecticides and fungicides (1926-1927 report). R. H. Robinson and C. F. Whitaker. (Oregon Sta. Circ. 84, 15 p. Jan., 1928.)

Cotton variety experiments. T. S. Buie, W. B. Rogers, and E. E. Hall. (South Carolina Sta. Bul. 244, 22 p. Feb., 1928.)

Annual report of the director [South Dakota Station] for the fiscal year ending June 30, 1927. J. W. Wilson et al. 36 p.

New fertilizers on the market for 1928: Suggestions for their use. C. A. Mooers. (Tennessee Sta. Circ. 18, 2 p. Feb., 1928.)

Varieties of cotton in the Red Prairies of northwest Texas. J. R. Quinby. (Texas Sta. Bul. 366, 19 p., 4 figs. Nov., 1927.)

Activities of livestock on the range. V. L. Cory. (Texas Sta. Bul. 367, 47 p., 6 figs. Nov., 1927.)

Varieties of cotton for east central Texas. D. T. Killough and G. T. McNess. (Texas Sta. Bul. 369, 52 p., 2 figs. Dec., 1927.)

- Abstracts of Bulletins 347-365 and Circulars 43-47. A. D. Jackson. (Texas Sta. Circ. 49, 22 p. Jan., 1928.)
- Sheep ranching in Utah, report of a preliminary economic survey of the ranch situation as of 1925. A. C. Esplin, W. Peterson, P. V. Cardon, G. Stewart, and K. C. Ikeler. (Utah Sta. Bul. 204, 60 p., 7 figs. Jan., 1928.)
- Commercial feeding stuffs. L. S. Walker and E. F. Boyce. (Vermont Sta. Bul. 266, 56 p. May, 1927.)
- Studies in Vermont dairy farming: III, Randolph- Royalton area. H. P. Young. (Vermont Sta. Bul. 268, 64 p. Apr., 1927.)
- Elasticity of supply of milk from Vermont plants: Factors affecting average deliveries per patron: I, The milk-feed price ratio. A. R. Gans. (Vermont Sta. Bul. 269, 40 p., 9 figs. Apr., 1927.)
- Apparent digestibility as affected by length of trial and by certain variations in the ration. B. H. Schneider and H. B. Ellenberger. (Vermont Sta. Bul. 270, 48 p. May, 1927.)
- Feeding cocoa meal to hogs. R. D. Aplin. (Vermont Sta. Bul. 271, 10 p., 1 fig. June, 1927.)
- Effect of feeding cocoa meal to milking cows. R. D. Aplin and H. B. Ellenberger. (Vermont Sta. Bul. 272, 20 p., 5 figs. June, 1927.)
- Returns for skimmilk fed to hogs under Vermont conditions. H. B. Ellenberger and R. D. Aplin. (Vermont Sta. Bul. 273, 15 p. June, 1927.)
- Thermophilic and thermoduric micro-organisms, with special reference to species isolated from milk: II, The thermal resistance of micro-organisms. A. H. Robertson. (Vermont Sta. Bul. 274, 27 p. June, 1927.)
- Thermophilic and thermoduric microorganisms, with special reference to species isolated from milk: IV, Effect of age of culture on the heat resistance of non-spore-forming bacteria. A. H. Robertson. (Vermont Sta. Bul. 275, 27 p., 19 figs. June, 1927.)
- Fortieth annual report, [Vermont Station], 1926-1927. J. L. Hills. (Vermont Sta. Bul. 276, 16 p. Sept., 1927.)
- Agricultural seed. A. S. Lutman. (Vermont Sta. Bul. 277, 12 p. Dec., 1927.)
- Commercial fertilizers. L. S. Walker and E. F. Boyce. (Vermont Sta. Bul. 278, 24 p. Dec., 1927.)
- Some phases of the relation of temperature to the development of insects. E. M. Peairs. (West Virginia Sta. Bul. 208, 62 p., 19 figs. Aug., 1927.)
- Practical buildings and equipment for the dairy farm. F. D. Cornell, jr. (West Virginia Sta. Circ. 49, 47 p., 39 figs. Jan., 1928.)
- Forward steps in farm science. Annual report of the director, 1926-1927. H. L. Russell and N. Clark. (Wisconsin Sta. Bul. 396, 134 p., 34 figs. Dec., 1927.)

UNITED STATES DEPARTMENT OF AGRICULTURE
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LIST OF STATION PUBLICATIONS
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Fertilizer experiments with corn. J. T. Williamson, W. H. Appleton, and H. B. Helms. (Alabama Sta. Circ. 52, 12 p. Dec., 1927.)

Thirty-sixth annual report, fiscal year ending June 30, 1925, of the agricultural experiment station of the Alabama Polytechnic Institute, Auburn. M. J. Funchess et al. 17 p.

Variations of water and dry matter in the leaves of Pima and Acala cotton. R. S. Hawkins. (Arizona Sta. Tech. Bul. 17, p. 417-444, 14 figs. Nov., 1927.)

The asparagus industry in California. H. A. Jones and W. W. Robbins. (California Sta. Bul. 446, 105 p., 43 figs. Jan., 1928.)

A method of determining the clean weights of individual fleeces of wool. J. F. Wilson. (California Sta. Bul. 447, 21 p., 8 figs. Jan., 1928.)

Farmers' purchase agreement for deep well pumps. B. D. Moses and L. S. Wing. (California Sta. Bul. 448, 46 p., 3 figs. Jan., 1928.)

Economic aspects of the watermelon industry. E. Rauchenstein. (California Sta. Bul. 449, 26 p., 7 figs. Mar., 1928.)

Principles governing the choice, operation and care of small irrigation pumping plants. C. N. Johnston. (California Sta. Circ. 312, 28 p., 11 figs. Mar., 1928.)

Effects of nitrates on composition of the potato. W. P. Headden. (Colorado Sta. Bul. 325, 96 p., 2 figs. Dec., 1927.)

Hotbeds and coldframes. R. V. Lott. (Colorado Sta. Bul. 328, 24 p., 9 figs. Feb., 1928.)

Some edible and poisonous mushrooms of Colorado. B. O. Longyear. (Colorado Sta. Bul. 331, 48 p., 1 pl., 39 figs. Jan., 1928.)

Revegetation of waste range land. H. C. Hanson. (Colorado Sta. Bul. 332, 9 p., 7 figs. Jan., 1928.)

- Seed treatments for stinking smut of wheat. E. A. Lungren and L. W. Durrell. (Colorado Sta. Bul. 333, 12 p., 1 fig. Jan., 1928.)
- Report of the director for the year ending October 31, 1927. W. L. Slate. (Connecticut State Sta. Bul. 291, p. 89-111, 10 figs. Dec., 1927.)
- Some insect pests of nursery stock in Connecticut. W. E. Britton and M. P. Zappe. (Connecticut State Sta. Bul. 292, p. 113-173, 20 pls., 27 figs. Dec., 1927.)
- The quality of vegetable seed bought by market gardeners in Connecticut in 1927. E. M. Stoddard and A. D. McDonnell. (Connecticut State Sta. Bul. 293, p. 177-186, 1 fig. Feb., 1928.)
- Grape disease control in Delaware. T. F. Manns. (Delaware Sta. Bul. 154, 37 p., 12 figs. Feb., 1928.)
- A nitrogen factory on every farm. O. H. Sears. (Illinois Sta. Circ. 326, 12 p., 3 figs. Feb., 1928.)
- Bacillary white diarrhea of chicks. R. Graham and E. A. Tunnicliff. (Illinois Sta. Circ. 328, 8 p., 5 figs. Mar., 1928.)
- Raising chicks at a profit. L. E. Card. (Illinois Sta. Circ. 329, 15 p., 6 figs. Mar., 1928.)
- A systematic study of squashes and pumpkins. E. F. Castetter and A. T. Erwin. (Iowa Sta. Bul. 244, p. 107-135, 29 figs. Nov., 1927.)
- Preparation of corn for yearling brood sows. J. M. Evvard, Q. W. Wallace, and C. C. Culbertson. (Iowa Sta. Bul. 245, p. 139-167, 1 fig. Nov., 1927.)
- Logold oats. L. C. Burnett. (Iowa Sta. Bul. 247, p. 186-198, 5 figs. Feb., 1928.)
- Annual report [Iowa Station] for fiscal year ending June 30, 1927. C. F. Curtiss. 63 p.
- Meteorological observations at the Massachusetts Agricultural Experiment Station. J. E. Ostrander and H. Baumgartner. (Massachusetts Sta. Met. Bul. 470, 4 p. Feb., 1928.)
- Net correlations of characters concerned in fecundity. F. A. Hays and R. Sanborn. (Massachusetts Sta. Tech. Bul. 12, p. 197-204. Dec., 1927.)
- Pruning the red raspberry. S. Johnston and R. E. Loree. (Michigan Sta. Spec. Bul. 162, 23 p., 8 figs. Dec., 1927.)
- Chicory growing in Michigan. C. E. Cormany. (Michigan Sta. Spec. Bul. 167, 11 p., 5 figs. Dec., 1927.)
- Spraying calendar. W. C. Dutton, R. H. Pettit, and C. W. Bennett. (Michigan Sta. Spec. Bul. 174, 31 p., 10 figs. Feb., 1928.)
- The relation of milk solids not fat to overrun and quality of ice cream. P. S. Lucas and W. J. Roberts. (Michigan Sta. Tech. Bul. 86, 16 p., 2 figs. Dec., 1927.)

- paper wrappers and their effect upon physical and chemical properties of horticultural products. H. D. Brown. (Michigan Sta. Tech. Bul. 87, 29 p., 6 figs. Jan., 1928.)
- Taxes on Michigan's rented farms, 1919-1925. R. W. Newton. (Michigan Sta. Tech. Bul. 91, 34 p., 5 figs. Jan., 1928.)
- The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 10, No. 3, p. 78-146, 22 figs. Feb., 1928.)
- Progress report on cost of production route in Choctaw County, Mississippi, 1926. L. E. Long and H. W. Reynolds. (Mississippi Sta. Bul. 243, 18 p. 1927.)
- Certified Irish potato seed tests for 1927. H. H. Wedgworth, W. S. Anderson and H. F. Wallace. (Mississippi Sta. Circ. 75, 8 p., 3 figs. Oct., 1927.)
- Agricultural advancement. E. B. Ferris. (Mississippi Sta. Circ. 77, 6 p. Dec., 1927.)
- Analyses of commercial fertilizers and ground bone; analyses of agricultural lime, 1927. C. S. Cathcart. (New Jersey Stas. Bul. 464, 40 p. Dec., 1927.)
- Creamery inspection in New Jersey, eighth annual report. G. I. Ball. (New Jersey Stas. Bul. 465, 8 p., 1 fig. Feb., 1928.)
- Fertilizer registrations for 1928. C. S. Cathcart. (New Jersey Stas. Bul. 467, 23 p. Jan., 1928.)
- 1928 spraying and dusting recommendations for apples. (New Jersey Stas. Circ. 209, 4 p., 1 fig. Feb., 1928.)
- Egg production, monthly costs and receipts on New Jersey poultry farms, November, 1926, -- October, 1927. L. M. Black. (New Jersey Stas. Hints to Poultrymen, vol. 16, No. 4, 4 p., 1 fig. Jan., 1928.)
- Coccidiosis. J. J. Black. (New Jersey Stas. Hints to Poultrymen, vol. 16, No. 5, 4 p., 1 fig. Feb., 1928.)
- Thirty-eighth annual report agricultural experiment station of the New Mexico College of Agriculture and Mechanic Arts, 1926-1927. F. Garcia. 79 p., 8 figs.
- Building up resistance to diseases in beans. D. Reddick. (New York Cornell Sta. Mem. 114, 15 p. Mar., 1928.)
- Studies of the nature and control of blight, leaf and pod spot, and footrot of peas caused by species of Ascochyta. L. K. Jones. (New York State Sta. Bul. 547, 46 p., 7 pls., 4 figs. Dec., 1927.)
- Black-leg disease of brussels sprouts, cabbage and cauliflower. E. E. Clayton. (New York State Sta. Bul. 550, 27 p., 8 pls. Dec., 1927.)
- Artificial manure from straw. R. C. Collison and H. J. Conn. (New York State Sta. Circ. 95, 3 p. Feb., 1928.)

- The Mexican bean beetle. R. Cecil. (New York State Sta. Circ. 96, 12 p., 8 figs. Feb., 1928.)
- Grafting grapes. F. E. Gladwin. (New York State Sta. Circ. 97, 6 p., 4 pls. Feb., 1928.)
- Lubricating oil emulsions for the control of pear psylla. F. Z. Hartzell and F. L. Gambrell. (New York State Sta. Circ. 98, 4 p. Mar., 1928.)
- Diseases of canning crops in 1927. L. K. Jones. (New York State Sta. Circ. 99, 5 p. Mar., 1928.)
- Insect pests of canning crops in 1927. H. Glasgow. (New York State Sta. Circ. 100, 7 p. Mar., 1928.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul., vol. 13, No. 3, p. 33-80, 17 figs. Mar.-Apr., 1928.)
- Milk marketing in Pennsylvania; shipping station operations. R. W. Bartlett and W. E. Gregg. (Pennsylvania Sta. Bul. 219, 43 p. Jan., 1928.)
- The agricultural value of specially prepared blast furnace slag, preliminary report. J. W. White. (Pennsylvania Sta. Bul. 220, 19 p., 7 figs. Feb., 1928.)
- An economic study of the Columbia farm trade area. T. D. Johnson, F. H. Robinson, B. A. Russell, and W. C. Jensen. (South Carolina Sta. Bul. 243, 64 p., 6 figs. Dec., 1927.)
- Cotton fertilizer experiments. T. S. Buie and J. D. Warder. (South Carolina Sta. Bul. 245, 32 p., 8 figs. Feb., 1928.)
- The year ahead in South Carolina agriculture. W. C. Jensen, B. A. Russell, and A. M. Carkuff. (South Carolina Sta. Bul. 246, 62 p., 4 figs. Feb., 1928.)
- The spacing of cotton. C. A. Mooers. (Tennessee Sta. Circ. 19, 2 p. Feb., 1928.)
- Fertilizers for west Tennessee. C. A. Mooers. (Tennessee Sta. Circ. 20, 4 p., 1 fig. Feb., 1928.)
- Washington asparagus in Tennessee. J. A. McClintock. (Tennessee Sta. Circ. 21, 4 p., 4 figs. Mar., 1928.)
- Commercial feeding stuffs from September 1, 1926, to August 31, 1927. B. Youngblood, F. D. Fuller, and S. D. Pearce. (Texas Sta. Bul. 370, 132 p. Dec., 1927.)
- Harvesting grain with the combined harvester-thresher in northwest Texas. H. P. Smith and R. F. Spilman. (Texas Sta. Bul. 373, 24 p., 7 figs. Dec., 1927.)
- A chemical study of varieties of cotton seed. M. T. Harrington. (Texas Sta. Bul. 374, 19 p. Jan., 1928.)
- The soils of Bowie, Denton, Freestone and Red River Counties. G. S. Fraps. (Texas Sta. Bul. 375, 48 p., 1 fig. Jan., 1928.)

- The effect of various rations on the storage quality of eggs. R. M. Sherwood. (Texas Sta. Bul. 376, 12 p. Jan., 1928.)
- Hibernation of the cotton flea hopper. H. J. Reinhard. (Texas Sta. Bul. 377, 26 p., 9 figs. Feb., 1928.)
- Second biennial report of apiary inspection, 1925-1927. F. L. Thomas and S. E. McGregor. (Texas Sta. Circ. 50, 11 p., 2 figs. Feb., 1928.)
- Clean milk and its production. E. G. Carter. (Utah Sta. Circ. 69, 16 p., 7 figs. Feb., 1928.)
- The agricultural outlook for Utah, 1928. P. V. Cardon and W. P. Thomas. (Utah Sta. Circ. 70, 16 p. Feb., 1928.)
- Studies in North American violets: 1, General considerations. A. Gershoy. (Vermont Sta. Bul. 279, 18 p. Jan., 1928.)
- Pure line studies with ten generations of Hubbard squash. M. B. Cummings and E. W. Jenkins. (Vermont Sta. Bul. 280, 29 p., 2 pls., 10 figs. Jan., 1928.)
- A study of the biology and control of the red-banded leaf-roller. W. S. Hough. (Virginia Sta. Bul. 259, 29 p., 7 figs. Dec., 1927.)
- Orchard spraying and spray equipment. W. S. Hough. (Virginia Sta. Bul. 260, 12 p., 4 figs. Feb., 1928.)
- The Cicadellidae (Homoptera) of Virginia. L. A. Stearns. (Virginia Sta. Tech. Bul. 31, 21 p., 1 fig. Nov., 1927.)
- Production and marketing of Spokane Valley farm products. G. Severance and N. W. Johnson. (Washington Col. Sta. Bul. 221, 61 p., 4 figs. Dec., 1927.)
- Thirty-seventh annual report for the fiscal year ended June 30, 1927. E. C. Johnson. (Washington Col. Sta. Bul. 222, 80 p. Dec., 1927.)
- Pollination of deciduous fruits. W. A. Luce and O. M. Morris. (Washington Col. Sta. Bul. 223, 22 p., 4 figs. Jan., 1928.)
- Culture of Christmas holly. H. D. Locklin. (Western Washington Sta. Bul. 7-W, 25 p., 5 figs. Jan., 1928.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
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LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
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Note:-The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Effect of phosphorus in the form of acid phosphate upon maturity and yield of lettuce. F. J. Crider. (Arizona Sta. Bul. 121, p. 118-142, 10 figs. July, 1927.)

Three shade tree insects. W. J. Baerg. (Arkansas Sta. Bul. 224, 25 p., 13 figs. Apr., 1928.)

Irrigation investigations with field crops at Davis and at Delhi, California, 1909-1925. S. H. Beckett and M. R. Huberty. (California Sta. Bul. 450, 24 p., 9 figs. Mar., 1928.)

Relation of tuber maturity and of storage factors to potato dormancy and effects of chemical treatments on dormant potato tubers. J. T. Rosa. (Hilgardia [California Sta.], vol. 3, No. 4, p. 99-142, 11 figs. Mar., 1928.)

Shape of the water table in tile drained land. W. W. Weir. (Hilgardia [California Sta.], vol. 3, No. 5, p. 143-152, 5 figs. Mar., 1928.)

The effect of green manures and crop residues on soil reaction. W. G. Sackett, A. Kezer, I. W. Ferguson, and J. C. Ward. (Colorado Sta. Bul. 324, 31 p. Jan., 1928.)

Impermeable seed of alfalfa. A. M. Lute. (Colorado Sta. Bul. 326. 36 p., 1 pl., 5 figs. Jan., 1928.)

A study of ranch organization in eastern Colorado. R. T. Burdick, M. Reinholt, and G. S. Klemmedson. (Colorado St. Bul. 327, 61 p., 19 figs. Jan., 1928.)

The fortieth annual report of the Colorado Agricultural Experiment Station for the year 1927. C. P. Gillette et al, 53 p.

A statistical study of egg production in four breeds of the domestic fowl: Part IV, Egg production of White Leghorns. L. C. Dunn. (Connecticut Storrs Sta. Bul. 147, pp. 245-282, 6 figs. Dec., 1927.)

An economic study of potato farming in the Hastings area for the crop year 1925. B. McKinley. (Florida Sta. Bul. 193, p. 174-275, 26 figs. Feb., 1928.)

Marketing Georgia peaches. R. M. Middleton. (Georgia Sta. Circ. 82, 4 p. Mar., 1928.)

- Fortieth annual report of the Georgia Experiment Station for the year 1927. H. P. Stuckey et al. 39 p., 4 figs.
- Apple tree leaf roller in northern Idaho. L. E. Longley. (Idaho Sta. Bul. 157, 24 p., 7 figs. Feb., 1928.)
- The potato situation in Idaho for 1928. C. F. Wells. (Idaho Sta. Circ. 51, 8 p., 2 figs. Mar., 1928.)
- The digestibility and metabolizable energy of soybean products for sheep. T. S. Hamilton, H. H. Mitchell, and W. G. Kammlade. (Illinois Sta. Bul. 303, p. 238-295. Mar., 1928.)
- Barley growing. H. D. Hughes and L. C. Burnett. (Iowa Sta. Circ. 109, 8 p., 3 figs. Mar., 1928.)
- The Iowa agricultural outlook for 1928. C. L. Holmes. (Iowa Sta. Cur. Econ. Ser. Rpt. 7, 16 p., 4 figs. Apr., 1928.)
- A poultry survey in Kansas. L. F. Payne and H. H. Steup. (Kansas Sta. Bul. 245, 52 p., 9 figs. Jan., 1928.)
- The control of sorghum kernel smut and the effect of seed treatments on vitality of sorghum seed. C. O. Johnston and L. E. Melchers. (Kansas Sta. Tech. Bul. 22, 37 p., Feb., 1928.)
- Grape growing in Kansas. R. J. Barnett. (Kansas Sta. Circ. 134, 32 p., 9 figs. Jan., 1928.)
- Infectious abortion of cattle. C. H. Kitselman. (Kansas Sta. Circ. 135, 11 p. Feb., 1928.)
- Killing field bindweed with sodium chlorate. W. L. Latshaw and J. W. Zahnley. (Kansas Sta. Circ. 136, 15 p., 10 figs. Mar., 1928.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station. C. I. Gunness and H. Baumgartner. (Massachusetts Sta. Met. Bul. 471, 4 p. Mar., 1928.)
- Profit and loss in pruning mature apple trees. R. E. Marshall. (Michigan Sta. Spec. Bul. 169, 39 p., 23 figs. Feb., 1928.)
- Farm real estate assessment practices in Michigan. R. W. Newton and W. O. Hedrick. (Michigan Sta. Spec. Bul. 172, 80 p. Feb., 1928.)
- Mule feeding experiments: Part I, Feeding cottonseed meal to work mules; Part II, Johnson grass versus soybean hay; Part III, Stall versus lot feeding. G. S. Templeton. (Mississippi Sta. Bul. 244, 31 p., 8 figs. Sept., 1927.)
- A study of food habits of people in two contrasting areas of Mississippi. D. Dickins. (Mississippi Sta. Bul. 245, 52 p., 17 figs. Nov., 1927.)

- Corn experiments, 1927, South Mississippi Branch Experiment Station. E. B. Ferris. (Mississippi Sta. Circ. 76, 7 p., 4 figs. Dec., 1927.)
- Community relations of rural young people. E. L. Morgan and H. J. Burt. (Missouri Sta. Res. Bul. 110, 77 pl. Oct., 1927.)
- Varietal resistance and susceptibility to wheat scab. I. T. Scott. (Missouri Sta. Res. Bul. 111, 14 p. Nov., 1927.)
- Oats and barley in central Montana. R. W. May. (Montana Sta. Bul. 209, 24 p., 8 figs. Oct., 1927.)
- Results of seed and legume inoculant inspection for 1927. J. G. Fiske. (New Jersey Stas. Bul. 466, 99 p. Jan., 1928.)
- Forty-eighth annual report of the New Jersey State Agricultural Experiment Station and the fortieth annual report of the New Jersey Agricultural College Experiment Station for the year ending June 30, 1927. J. G. Lipman et al. 341 p., 5 pls., 19 figs.
- Pear variety test. A. B. Fite and F. Garcia. (New Mexico Sta. Bul. 165, 39 p., 10 figs. Jan., 1928.)
- Relative adaptability of red-clover seed of different origins. R. G. Wiggans. (New York Cornell Sta. Bul. 463, 38 p., 9 figs. Mar., 1927.)
- An economic study of certain phases of fruit marketing in western New York. R. B. Corbett. (New York Cornell Sta. Bul. 464, 51 p., 14 figs. Mar., 1928.)
- Twenty years growth of a sprout hardwood forest in New York; a study of the effects of intermediate and reproduction cuttings. J. N. Spaeth. (New York Cornell Sta. Bul. 465, 49 p., 6 pls., 11 figs. Mar., 1928.)
- The effect of freezing on the respiration of the apple. D. B. Carrick. (New York Cornell Sta. Mem. 110, 28 p., 5 figs. Mar., 1928.)
- A population study of three townships in Cortland County, New York. D. Sanderson. (New York Cornell Sta. Mem. 111, 19 p., 3 figs. Mar., 1928.)
- A survey of sickness in rural areas in Cortland County, New York. D. Sanderson. (New York Cornell Sta. Mem. 112, 27 p., 7 figs. Mar., 1928.)
- Forty-sixth annual report of the Ohio Agricultural Experiment Station for the year ended June 30, 1927. C. G. Williams. (Ohio Sta. Bul. 417, 118 p., 19 figs. Mar., 1928.)
- Early cabbage. W. B. Mack. (Pennsylvania Sta. Bul. 221, 22 p., 3 figs. Mar., 1928.)
- Studies of farm land prices and ownership. W. C. Jensen and B. A. Russell. (South Carolina Sta. Bul. 247, 50 p., 10 figs. Mar., 1928.)
- Corn variety and fertilizer experiments. W. B. Rogers and J. D. Warner. (South Carolina Sta. Bul. 248, 38 p., 2 figs. Mar., 1928.)

An economic analysis of farming in Overton County, Tennessee. C. E. Allred and S. W. Atkins. (Tennessee Sta. Agr. Econ. Survey 1, 127 p., 20 figs. Dec., 1927. Mimeographed.)

Truck crop investigations: Control of beet seedling diseases under greenhouse conditions. F. P. McWhorter. (Virginia Truck Sta. Bul. 58, p. 524-544, 1 fig. Jan., 1927.)

Truck crop investigations: The early-blight diseases of tomato. F. P. McWhorter. (Virginia Truck Sta. Bul. 59, p. 546-566, 5 figs. Apr., 1927.)

Truck crop investigations: The bulb flies of narcissus, with special reference to the bulb industry in Virginia. F. W. Poos and C. A. Weigel. (Virginia Truck Sta. Bul. 60, p. 570-594, 3 figs. July, 1927.)

Truck crop investigations: The potato tuber worm. F. W. Poos and H. S. Peters. (Virginia Truck Sta. Bul. 61, p. 596-630, 3 figs. Oct., 1927.)

Dusting vs. spraying in the apple orchard. N. J. Giddings, A. Berg, and E. C. Sherwood. (West Virginia Sta. Bul. 209, 28 p., 2 figs. Nov., 1927.)

Sunflower silage vs. corn silage for milk production. H. O. Henderson and W. Gifford. (West Virginia Sta. Bul. 210, 23 p. Nov., 1927.)

The care and management of sheep. C. V. Wilson and J. H. Rietz. (West Virginia Sta. Circ. 48, 51 p., 32 figs. Sept., 1927.)

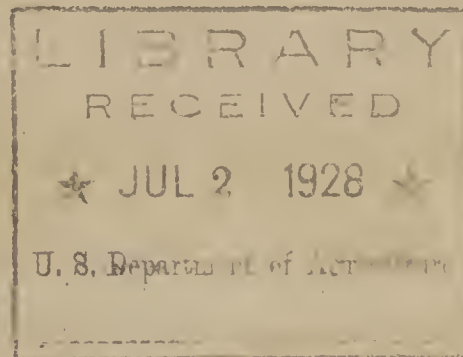
Planning the farm for profits. P. E. McNall, R. S. Kifer, and D. R. Mitchell. (Wisconsin Sta. Bul. 395, 24 p. Dec., 1927.)

Johne's disease, a transmissible disease of cattle. E. G. Hastings, B. A. Beach, and H. L. Mansfield. (Wisconsin Sta. Res. Bul. 81, 44 p., 12 figs. Dec., 1927.)

Spraying versus dusting to control the potato leafhopper in commercial potato fields of Wisconsin. J. E. Dudley, jr., and C. L. Fluke, jr. (Wisconsin Sta. Res. Bul. 82, 16 p., 6 figs. Feb., 1928.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
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LIST OF STATION PUBLICATIONS
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DURING MAY 1928

Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Studies preliminary to the establishment of a series of fertilizer trials in a bearing citrus grove. L. D. Batchelor, E. R. Parker, and R. McBride. (California Sta. Bul. 451, 49 p., 13 figs. Apr., 1928.)

Economic aspects of the pear industry. S. W. Shear. (California Sta. Bul. 452, 107 p., 28 figs. Apr., 1928.)

The action of *Phomopsis californica* in producing a stem-end decay of citrus fruits. M. Bahgat. (Hilgardia [California Sta.], vol. 3, No. 6, p. 153-181, 6 figs. Apr., 1928.)

Heat penetration in the pasteurizing of syrups and concentrates in glass containers. J. H. Irish, M. A. Joslyn, and J. W. Parcell. (Hilgardia [California Sta.], vol. 3, No. 7, p. 183-206, 14 figs. Apr., 1928.)

The inheritance of flower types in *Cucumis* and *Citrullus*. J. T. Rosa. (Hilgardia [California Sta.], vol. 3, No. 9, p. 233-250, 6 figs. Apr., 1928.)

Report of the agricultural experiment station of the University of California from July 1, 1926, to June 30, 1927. E. D. Merrill et al. 110 p.

Edible canna in the Waimea district of Hawaii. J. C. Ripperton and R. A. Goff. (Hawaii Sta. Bul. 57, 41 p., 19 figs. Apr., 1928.)

Crop yields from Illinois soil experiment fields in 1927. F. C. Bauer. (Illinois Sta. Bul. 305, p. 343-369. Apr., 1928.)

Bush Lima beans as a market garden crop. J. W. Lloyd. (Illinois Sta. Bul. 307, p. 390-399, 1 fig. May, 1928.)

Experiments in the culture and forcing of witloof chicory (French endive). C. B. Sayre. (Illinois Sta. Bul. 309, p. 442-462, 6 figs. May, 1928.)

The organization and direction of clothing clubs. (Illinois Sta. Circ. 327, 32 p., 4 figs. Feb., 1928.)

Studies on starters. B. W. Hammer and M. P. Baker. (Iowa Sta. Res. Bul. 106, p. 134-156. Feb., 1928.)

- The influence of temperatures and certain other factors upon the percentage of fat in milk. E. Weaver and C. A. Matthews. (Iowa Sta. Res. Bul. 107, p. 157-180, 10 figs. Feb., 1928.)
- Time factors in relation to the acquisition of food by the honeybee. O. W. Park. (Iowa Sta. Res. Bul. 108, p. 181-225, 13 figs. Mar., 1928.)
- The numbers of microorganisms in Carrington loam as influenced by different soil treatments. L. W. Erdman. (Iowa Sta. Res. Bul. 109, p. 229-259, 4 figs. Apr., 1928.)
- Studies on nitrification and its relation to crop production on Carrington loam under different treatment. L. W. Erdman and H. Humfeld. (Iowa Sta. Res. Bul. 110, p. 261-291, 3 figs. Apr., 1928.)
- Strawberry leaf roller control. B. B. Fulton and M. H. Brunson. (Iowa Sta. Circ. 110, 8 p., 1 pl., 3 figs. Mar., 1928.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station. C. I. Guinness and H. Baumgartner. (Massachusetts Sta. Met. Bul. 472, 4 p. Apr., 1928.)
- Ultimate effect of hardening tomato plants. J. W. Crist. (Michigan Sta. Tech. Bul. 89, 22p., 16 figs. Apr., 1928.)
- The Detroit milk market. J. T. Horner. (Michigan Sta. Spec. Bul. 170, 61 p., 10 figs. Mar., 1928.)
- Cockroaches, silver fish, and book-lice. E. I. McDaniel. (Michigan Sta. Circ. 101, 13 p., 2 figs. Apr., 1928.)
- The inheritance of reaction to Ustilago zeae in maize. F. R. Immer. (Minnesota Sta. Tech. Bul. 51, 62 p., 7 figs. Oct., 1927.)
- Thirty-fifth annual report Minnesota Agricultural Experiment Station, July 1, 1926, to June 30, 1927. W. C. Coffey. 50 p. Feb., 1928.
- Report South Mississippi Branch Experiment Station, 1927. E. B. Ferris and W. S. Anderson. (Mississippi Sta. Bul. 246, 18 p., 5 figs. Dec., 1927.)
- Nebraska tractor tests, 1920-1927, rules for official tractor testing and the Nebraska tractor law. (Nebraska Sta. Bul. 224, 39 p., fold. tab., 6 figs. Jan., 1928.)
- The poisoning of sheep on mountain grazing ranges in Nevada by the western choke-cherry (Prunus demissa). C. E. Fleming and R. Dill. (Nevada Sta. Bul. 110, 14 p., 7 figs. Jan., 1928.)
- Inspection of commercial fertilizers for 1927 made for the State Department of Agriculture. T. G. Phillips and T. O. Smith. (New Hampshire Sta. Bul. 231, 15 p. Dec., 1927.)
- Agricultural experiments, 1927: Annual report of the director of the New Hampshire Agricultural Experiment Station. J. C. Kendall et al. (New Hampshire Sta. Bul. 232, 35 p., 8 figs. Mar., 1928.)

- Electric dairy cold storage. W. T. Ackerman. (New Hampshire Sta. Bul. 233, 35 p., 14 figs. Mar., 1928.)
- The poultry industry in New Jersey, a statistical and economic study. A. G. Waller and H. B. Weiss. (New Jersey Stas. Bul. 457, 48 p., 2 figs. Sept., 1927.)
- An analysis of the cabbage market with respect to New Mexico conditions. A. L. Walker. (New Mexico Sta. Bul. 167, 24 p., 15 figs. Apr., 1928.)
- Bacteria count limits and the transportation of milk. J. D. Brew and R. C. Fisher. (New York Cornell Sta. Bul. 460, 37 p., 2 figs. Mar., 1928.)
- Studies of protein metabolism, mineral metabolism, and digestibility with clover and timothy rations. L. A. Maynard, R. C. Miller, and W. E. Krauss. (New York Cornell Sta. Mem. 113, 33 p. Mar., 1928.)
- The food of orchard birds with special reference to the pear psylla. T. T. O'Dell. (New York State Sta. Bul. 549, 19 p., 2 pl., 3 figs. Dec., 1927.)
- New or noteworthy fruits, IX. U. P. Hedrick. (New York State Sta. Bul. 551, 13 p., 4 pls. Feb., 1928.)
- Midsummer sprays for the peach cottony scale. S. W. Harman. (New York State Sta. Bul. 552, 22 p., 2 pls. Feb., 1928.)
- Better methods of canning crops production. C. B. Sayre. (New York State Sta. Bul. 553, 130 p., 1 fig. Feb., 1928.)
- Increasing stands from vegetable seeds by seed treatment. E. E. Clayton. (New York State Sta. Bul. 554, 16 p., 2 pls. Mar., 1928.)
- Micrococci present in the normal cow's udder. A. F. Breed. (New York State Sta. Tech. Bul. 132, 28 p. Jan., 1928.)
- Biology and control of the blackberry leaf-miner. D. M. Daniel. (New York State Sta. Tech. Bul. 133, 38 p., 1 pl., 5 figs. Feb., 1928.)
- Studies on the Coccaceae.--VIII, A study of the cocci-resisting pasteurization temperatures. G. J. Hucker. (New York State Sta. Tech. Bul. 134, 30 p., 1 fig. Mar., 1928.)
- Methods and cost of raising lambs to marketable age. R. S. Curtis and F. T. Meacham. (North Carolina Sta. Bul. 253, 28 p., 9 figs. Feb., 1928.)
- I, The cost of producing eggs with S. C. White Leghorns; and II, The control of roup and its effect upon egg production. B. F. Kaupp. (North Carolina Sta. Bul. 254, 11 p. Mar., 1928.)
- Influence of crop rotation and soil treatments upon the yield of crops on Norfolk sandy loam soil. C. B. Williams, H. B. Mann, and R. E. Currin, jr. (North Carolina Sta. Bul. 255, 12 p. Mar., 1928.)

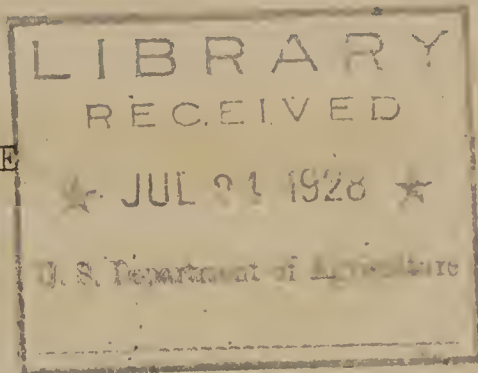
- Rural changes in western North Dakota; Social and economic factors involved in the changes in number of farms and movement of settlers from farms. E. A. Willson, H. C. Hoffsommer, and A. H. Benton. (North Dakota Sta. Bul. 214, 110 p., 29 figs. Jan., 1928.)
- Poultry and egg marketing in North Dakota. A. H. Benton. (North Dakota Sta. Bul. 215, 38 p., 16 figs. Feb., 1928.)
- Physiology of the ruminant stomach (bovine): Study of the dynamic factors. A. F. Schalk and R. S. Amadon. (North Dakota Sta. Bul. 216, 64 p., 2 pls., 23 figs. Feb., 1928.)
- Precautions for feeding spoiled clover hay: Rabbits can be used to determine its safety for cattle feed. L. M. Roderick and A. F. Schalk. (North Dakota Sta. Circ. 35, 4 p. Feb., 1928.)
- Turkey investigations in dressing shrinkages. O. A. Barton. (North Dakota Sta. Circ. 36, 12 p. Mar., 1928.)
- The apple industry of Ohio. C. W. Hauck. (Ohio Sta. Bul. 418, 70 p., 21 figs. Mar., 1928.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul., vol. 13, No. 3, p. 81-128, 20 figs. May-June, 1928.)
- The farmer's part in cooperative marketing. W. W. Fetrow. (Oklahoma Sta. Bul. 174, 23 p. Mar., 1928.)
- Varieties of cotton for Oklahoma. L. L. Ligon. (Oklahoma Sta. Bul. 175, 22 p. Apr., 1928.)
- Shade and green feed for chickens. R. B. Thompson and R. Penquite. (Oklahoma Sta. Circ. 69, 8 p., 6 figs. Apr., 1928.)
- Brooding chicks on the farm. R. B. Thompson. (Oklahoma Sta. Circ. 70, 14 p., 3 figs. Apr., 1928.)
- Eggs--actly what you need--egg recipes. (Oklahoma Sta. Circ. 71, 10 p. Apr., 1928.)
- Control of dodder in lespedeza. S. H. Essary. (Tennessee Sta. Circ. 22, 2 p. Apr., 1928.)
- Services, facilities and costs of marketing vegetables in the Lower Rio Grande Valley of Texas. G. L. Crawford. (Texas Sta. Bul. 378, 39 p., 11 figs. Mar., 1928.)
- Grain sorghums vs. corn for fattening lambs, fourth and fifth experiments. J. M. Jones and R. E. Dickson. (Texas Sta. Bul. 379, 52 p., 12 figs. Apr., 1928.)
- Electric hay hoists. H. L. Garver. (Washington Col. Sta. Pop. Bul. 139, 16 p., 8 figs. Mar., 1928.)
- Green feed crops for poultry. M. E. McCollam. (Western Washington Sta. Bul. 8-W, 20 p., 4 figs. Apr., 1928.)

Getting the most from the dairy herd by right feeding. P. E. McNall and D. R. Mitchell. (Wisconsin Sta. Bul. 397, 19 p., 6 figs. Mar., 1928.)

Farm costs and practices in the production of Walworth County crops and livestock. P. E. McNall and L. S. Ellis. (Wisconsin Sta. Res. Bul. 83, 103 p., 9 figs. Apr., 1928.)

Thirty-seventh annual report of the University of Wyoming Agricultural Experiment Station for the year ending June 30, 1927. J. A. Hill et al. p. 127-159.

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E. W. Allen
UNITED STATES DEPARTMENT OF AGRICULTURE
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DURING JUNE 1928

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Japanese honeydrip sorghum silage versus June corn silage for milk production. W. S. Cunningham and J. R. Reed. (Arizona Sta. Bul. 122, p. 143-155, 2 figs. Aug., 1927.)

Alkali soil studies and methods of reclamation. P. S. Burgess. (Arizona Sta. Bul. 123, p. 156-181, 6 figs. Jan., 1928.)

The action of aluminum, ferrous and ferric iron, and manganese in base exchange reactions. O. C. Magistad. (Arizona Sta. Tech. Bul. 18, p. 445-463. Feb., 1928.)

Breadmaking with Arizona Early Baart flour. M. C. Smith. (Arizona Sta. Timely Hints for Farmers 158, 11 p., 3 figs. Dec., 1927.)

Growth studies of the pecan. C. L. Isbell. (Alabama Sta. Bul. 226, 68 p., 52 figs. Apr., 1928.)

Thirty-seventh annual report, fiscal year ending June 30, 1926, of the agricultural experiment station of the Alabama Polytechnic Institute, Auburn. M. J. Funchess et al. 24 p.

Series on California crops and prices: Almonds. H. R. Wellman and E. W. Braun. (California Sta. Bul. 453, 34 p., 14 figs. May, 1928.)

Rice experiments in Sacramento Valley, 1922-1927. C. F. Dunshee. (California Sta. Bul. 454, 14 p., 3 figs. May, 1928.)

Fruit juices and fruit juice beverages. J. H. Irish. (California Sta. Circ. 313, 64 p., 30 figs. Apr., 1928.)

Fumigation with calcium cyanide dust. H. J. Quayle. (Hilgardia [California Sta.], vol. 3, No. 8, p. 207-232, 12 figs. Apr., 1928.)

Transmission of tomato yellows, or curly top of the sugar beet, by Eutettix tenellus (Baker). H. H. P. Severin. (Hilgardia [California Sta.], vol. 3, No. 10, p. 251-274, 2 pls., 8 figs. May, 1928.)

- Lettuce seed and its germination. H. A. Borthwick and W. W. Robbins. (Hilgardia [California Sta.], vol. 3, No. 11, p. 275-304, 8 pls. May, 1928.)
- Factors affecting the price of watermelons at Los Angeles and factors affecting the price of Gravenstein apples at Sebastopol. E. Rauchenstein. (Hilgardia [California Sta.], vol. 3, No. 12, p. 305-338, 10 figs. June, 1928.)
- Smuts of Colorado grains. L. W. Durrell. (Colorado Sta. Bul. 334, 24 p., 14 figs. Feb., 1928.)
- Twenty-seventh report of the State Entomologist of Connecticut, 1927. W. E. Britton. (Connecticut State Sta. Bul. 294, p. 189-303, 16 pls., 11 figs. Feb., 1928.)
- An epidemiological study of blackhead in turkeys. L. F. Rettger and W. F. Kirkpatrick. (Connecticut Storrs Sta. Bul. 148, p. 285-313, 4 figs, Dec., 1927.)
- Report of the director for the year ending June 30, 1927. W. L. Slate et al. (Connecticut Storrs Sta. Bul. 149, p. 317-340, 5 figs. Mar., 1928.)
- Blueberry culture in Florida. H. Mowry and A. F. Camp. (Florida Sta. Bul. 194, p. 279-297, 11 figs. Feb., 1928.)
- Diseases of lettuce, romaine, escarole, and endive. G. F. Weber and A. C. Foster. (Florida Sta. Bul. 195, p. 299-333, 19 figs, Apr., 1928.)
- Daubentonia seed poisoning of poultry. A. L. Shealy and E. F. Thomas. (Florida Sta. Bul. 196, p. 335-342, 5 figs, Apr., 1928.)
- Report of the Guam Agricultural Experiment Station, 1926. C. W. Edwards et al. 19 p., 9 figs. June, 1928.
- Rules and regulations for the certification of Grimm and Cossack alfalfa seed. C. B. Ahlson and L. D. Raeder. (Idaho Sta. Bul. 158, 17 p., 2 figs. Apr., 1928.)
- A study of factors affecting the efficiency and design of farm septic tanks. E. W. Lehmann, R. C. Kelleher, and A. M. Buswell. (Illinois Sta. Bul. 304, p. 297-339, 25 figs. Apr., 1928.)
- Experiments in crossing varieties as a means of improving productiveness in corn. L. H. Smith and A. M. Brunson. (Illinois Sta. Bul. 306, p. 373-386. May, 1928.)
- The energy basis of measuring milk yield in dairy cows. W. L. Gaines. (Illinois Sta. Bul. 308, p. 401-438, 9 figs. May, 1928.)
- Soybean production in Illinois. J. C. Hackleman, O. H. Sears, and W. L. Burlison. (Illinois Sta. Bul. 310, p. 466-531, 15 figs. June, 1928.)
- The utilization of soft corn in beef cattle feeding. H. P. Rusk and R. R. Snapp. (Illinois Sta. Bul. 313, 28 p., 6 figs. June, 1928.)
- A study of the proteolytic action of specific organisms and groups of organisms in butter made from graded cream. G. Spitzer et al. (Indiana Sta. Bul. 319, 36 p., 1 fig. Dec., 1927.)

Stallion enrollment, XVI, Report of stallion enrollment work for the year 1927 with lists of stallions and jacks enrolled. (Indiana Sta. Circ. 148, 48 p., 3 figs. Dec., 1927.)

Inspection of agricultural seeds, H. R. Kraybill et al. (Indiana Sta. Circ. 149, 104 p., 1 fig. Jan., 1928.)

Insect problems in the home. J. J. Davis. (Indiana Sta. Circ. 150, 24 p., 12 figs. Mar., 1928.)

Report of Moses Fell Annex Farm, Bedford, Indiana, June, 1928. H. J. Reed and H. G. Hall. (Indiana Sta. Circ. 152, 18 p., 11 figs. June, 1928.)

Report of the director [Indiana Station] for the year ending June 30, 1927. G. I. Christie and H. J. Reed. 75 p., 24 figs.

Sugar cane test field work. C. B. Gouaux. (Louisiana Sta. Bul. 202, 32 p., 2 figs. Apr., 1928.)

Abstracts of papers not included in bulletins, finances, meteorology, index. (Maine Sta. Bul. 342, p. 229-247 + xiii. Dec., 1927.)

Wireworms affecting Maine agriculture, a preliminary report. J. H. Hawkins. (Maine Sta. Bul. 343, 20 p., 3 figs. Feb., 1928.)

Bud and root selection in the apple. K. Sax. (Maine Sta. Bul. 344, p. 21-32, 2 figs. Apr., 1928.)

The chain-dotted measuring worm, a blueberry pest. C. R. Phipps. (Maine Sta. Bul. 345, p. 33-48, 2 figs. May, 1928.)

Fertilizer ratios for Prince George County. A. G. McCall. (Maryland Sta. Bul. 294, p. 35-51, 9 figs. Jan., 1928.)

Does tile drainage pay? A. G. McCall. (Maryland Sta. Bul. 295, p. 53-65, 1 fig. Feb., 1928.)

The effect of sulphur on soils and on crop yields. R. R. McKibbin. (Maryland Sta. Bul. 296, p. 65-116, 3 figs. Jan., 1928.)

The fortieth annual report of the University of Maryland Agricultural Experiment Station, 1926-1927. H. J. Patterson et al. xxx + 199 p., 9 pls., 30 figs.

Factors affecting returns from potatoes in Massachusetts. R. L. Mighell. (Massachusetts Sta. Bul. 240, p. 69-95, 11 figs. Jan., 1928.)

Vigor in production-bred flocks. F. A. Hays and R. Sanborn. (Massachusetts Sta. Bul. 242, p. 151-175, 4 figs. Apr., 1928.)

The principal bulb pests in Michigan. E. I. McDaniel. (Michigan Sta. Spec. Bul. 173, 23 p., 12 figs. Apr., 1928.)

- Use of cut flowers. A. Laurie. (Michigan Sta. Spec. Bul. 176, 22 p., 13 figs. May, 1928.)
- Investigations on winter wheats in Michigan. E. E. Down et al. (Michigan Sta. Tech. Bul. 88, 35 p., 8 figs. Apr., 1928.)
- The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 10, No. 4, p. 149-202, 10 figs. May, 1928.)
- Sixty-fifth annual report of the Secretary of the State Board of Agriculture of the State of Michigan and the thirty-eighth [i.e. thirty-ninth] annual report of the experiment station from July 1, 1925, to June 30, 1926. H. H. Halladay and R. S. Shaw. 320 p., 20 figs. 1927.
- The farm woodlot of southeastern Minnesota, its composition, volume, growth, value, and future possibilities. E. G. Cheyney and R. M. Brown. (Minnesota Sta. Bul. 241, 28 p., 10 figs. Sept., 1927.)
- Wilt and blossom-end rot of the tomato. H. H. Wedgworth, D. C. Neal, and J. M. Wallace. (Mississippi Sta. Bul. 247, 18 p., 5 figs. Dec., 1927.)
- Three years of dust spraying under Missouri conditions. K. C. Sullivan. (Missouri Sta. Bul. 259, 12 p. Apr., 1928.)
- Inferiority of foreign red clover seed. B. M. King. (Missouri Sta. Circ. 166, 4 p., 1 fig. Feb., 1928.)
- Vegetable growing in Missouri. J. T. Quinn and T. J. Talbert. (Missouri Sta. Circ. 167, 62 p., 19 figs. Mar., 1928.)
- The determination of the surface area of young women and its use in expressing basal metabolic rate. H. S. Bradfield. (Missouri Sta. Res. Bul. 109, 31 p., 5 figs. Sept., 1927.)
- Corn root rot studies. B. B. Branstetter. (Missouri Sta. Res. Bul. 113, 80 p., 8 pls., 5 figs. Nov., 1927.)
- Markets for the farm products of the Billings trade area. E. J. Bell, jr. (Montana Sta. Bul. 212, 47 p., 15 figs. Jan., 1928.)
- Useful facts concerning foodstuffs employed in poultry rations. W. C. Thompson. (New Jersey Stas. Hints to Poultrymen, vol. 16, No. 6, 4 p., 1 fig. Mar., 1928.)
- How New Jersey poultrymen may use the egg laying contests. W. C. Thompson. (New Jersey Stas. Hints to Poultrymen, vol. 16, No. 7, 4 p., 1 fig. Apr., 1928.)
- Securing summer and fall eggs. C. S. Platt. (New Jersey Stas. Hints to Poultrymen, vol. 16, No. 8, 4 p., 1 fig. May, 1928.)
- Summer management of the young stock. J. C. Taylor. (New Jersey Stas. Hints to Poultrymen, vol. 16, No. 9, 4 p., 1 fig. June, 1928.)

- Economic studies of dairy farming in New York.--VIII, Grade B milk with cash crops and mixed hay roughage, crop year 1924. E. G. Misner. (New York Cornell Sta. Bul. 462, 38 p., 1 fig. Mar., 1928.)
- A critical study of periodical reading in farm homes. G. Fernandes. (Oklahoma Sta. Bul. 176, 16 p. May, 1928.)
- A study of egg and poultry consumption in Pennsylvania. F. F. Lininger and T. B. Charles. (Pennsylvania Sta. Bul. 222, 22 p., 4 figs. Mar., 1928.)
- Farm adjustments in market hay areas of Pennsylvania. E. P. Weaver and R. S. Washburn. (Pennsylvania Sta. Bul. 223, 19 p., 2 figs. Apr., 1928.)
- Fortieth annual report of the Director of the [Rhode Island] Agricultural Experiment Station [1927]. B. L. Hartwell. p. 35-52.
- Stacked green corn for cattle. J. M. Wilson. (South Dakota Sta. Bul. 229, 8 p., 2 figs. Mar., 1928.)
- Better oats for South Dakota. E. W. Hardies. (South Dakota Sta. Bul. 230, 12 p., 5 figs. Apr., 1928.)
- Feeding the dairy herd for profit. T. M. Olson. (South Dakota Sta. Bul. 231, 96 p. Apr., 1928.)
- Studies on toxicity of fluorine compounds. S. Marcovitch. (Tennessee Sta. Bul. 139, 48 p., 10 figs. Mar., 1928.)
- Investigations on control of cotton flea hopper in 1927. H. J. Reinhard and W. L. Owen, jr. (Texas Sta. Bul. 380, 27 p., 1 fig. May, 1928.)
- Peanuts in Texas. G. T. McNess. (Texas Sta. Bul. 381, 23 p., 7 figs. May, 1928.)
- Texas agricultural outlook for 1928. L. P. Gabbard. (Texas Sta. Circ. 51, 20 p. Feb., 1928.)
- Weeds: Losses, agencies in distribution, nature, and control. W. Peterson and D. C. Tingey. (Utah Sta. Circ. 71, 52 p., 15 figs. May, 1928.)
- Brooding and feeding chicks. B. Alder. (Utah Sta. Circ. 72, 16 p., 2 figs. Apr., 1928.)
- The importance of properly balanced rations in trials to determine digestibility as shown in experiments with dried apple pomace. C. W. Holdaway, W. B. Ellett, J. F. Eheart and M. P. Miller. (Virginia Sta. Tech. Bul. 32, 18 p. Dec., 1927.)
- Erythroneura hartii (Gill.), an occasional leafhopper pest on the apple. L. A. Stearns. (Virginia Sta. Tech. Bul. 33, 15 p., 5 pls., 1 fig. Jan., 1928.)
- The black rootrot disease of apple. F. D. Fromme. (Virginia Sta. Tech. Bul. 34, 52 p., 20 figs. Mar., 1928.)

Report of the Virgin Islands Agricultural Experiment Station, 1927. J. B. Thompson et al. 17 p., 7 figs. May, 1928.

Distribution of wheat varieties in Washington. E. G. Schafer and E. F. Gaines. (Washington Col. Sta. Bul. 224, 30 p., 5 figs. Apr., 1928.)

Rural social organization of Clark County. E. A. Taylor and F. R. Yoder. (Washington Col. Sta. Bul. 225, 52 p., 10 figs. Apr., 1928.)

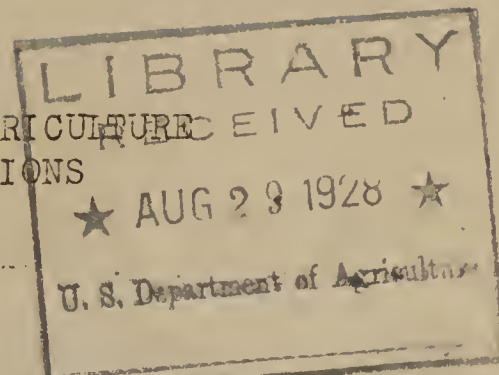
The use of calcium cyanide in the apiary. C. L. Corkins. (Wyoming Sta. Bul. 158, p. 107-116, 1 fig. Apr., 1928.)

Surface tension of disinfecting solutions for American foulbrood. C. H. Gilbert. (Wyoming Sta. Bul. 159, p. 117-131, 5 figs. May, 1928.)

Trees for Wyoming farmers and ranchmen. W. L. Quayle. (Wyoming Sta. Circ. 21, 4 p. Feb., 1928.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
E. W. ALLEN, Chief



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING JULY, 1928

Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

An economic study of tomato production for canning in Arkansas. C. E. Campbell. (Arkansas Sta. Bul. 225, 27 p., 10 figs. June, 1928.)

Cotton wilt studies: 1, Relation of soil temperature to the development of cotton wilt. V. H. Young. (Arkansas Sta. Bul. 226, 50 p., 10 figs. June, 1928.)

Reclamation of the Fresno type of black-alkali soil. W. P. Kelley and E. E. Thomas. (California Sta. Bul. 455, 37 p., 25 figs. June, 1928.)

Some host plants of curly top. H. H. P. Severin and C. F. Henderson. (Hilgardia [California Sta.], vol. 3, No. 13, p. 339-392, pls., 24 figs. June, 1928.)

The potato flea beetle. J. L. Hoerner and C. P. Gillette. (Colorado Sta. Bul. 337, 20 p., 2 pls., 3 figs. Mar., 1928.)

Report of Tobacco Station at Windsor, 1927. P. J. Anderson, N. T. Nelson, and T. R. Swanback. (Connecticut State Sta., Tobacco Substa. Bul. 10, p. 13T-82T, 3 figs. Mar., 1928.)

Report of the Hawaii Agricultural Experiment Station, 1927. J. M. Westgate et al. 27 p., 3 pls., 6 figs. June, 1928.

Idaho recommendation chart for plant disease and insect control. C. Wake-land and C. W. Hungerford. (Idaho Sta. Bul. 159, 55 p., 4 figs. May, 1928.)

Work and progress of the agricultural experiment station for the year ended December 31, 1927. E. J. Iddings et al. (Idaho Sta. Bul. 160, 32 p. Jan., 1928.)

Native crabs, their behavior in breeding. C. E. Crandall. (Illinois Sta. Bul. 311, p. 533-560. June, 1928.)

- Marketing Calhoun County apples. J. W. Lloyd and H. M. Newell. (Illinois Sta. Bul. 312, p. 561-612, 26 figs. June, 1928.)
- Grading tomatoes for quality. F. C. Gaylord and H. M. Cleaver. (Indiana Sta. Bul. 317, 24 p., 10 figs. Nov., 1927.)
- Death and crippled losses in shipping hogs to market. J. R. Wiley. (Indiana Sta. Bul. 318, 32 p., 29 figs. Nov., 1927.)
- Prices of farm products in Indiana. E. C. Young and O. A. Day. (Indiana Sta. Bul. 320, 24 p., 7 figs. Jan., 1928.)
- What is happening to agriculture in northwestern Indiana? M. H. Overton. (Indiana Sta. Bul. 321, 47 p., 24 figs. Feb., 1928.)
- The Indianapolis apple market. H. M. Cleaver, M. R. Cooper, and J. W. Park. (Indiana Sta. Bul. 322, 38 p., 8 figs. Apr., 1928.)
- The codling moth in Indiana. B. A. Porter and L. F. Steiner. (Indiana Sta. Circ. 151, 28 p., 18 figs. Mar., 1928.)
- The economy and efficiency of a milking machine. C. A. Matthews, J. M. Shaw, and E. Weaver. (Iowa Sta. Bul. 248, p. 201-223, 8 figs. May, 1928.)
- The L-block, a type of concrete block adapted to the economical construction of farm buildings. J. B. Davidson and H. Giese. (Iowa Sta. Bul. 249, p. 225-247, 26 figs. May, 1928.)
- Sweet corn seed studies. A. T. Erwin and E. S. Haber. (Iowa Sta. Bul. 250, p. 249-279, 5 figs. June, 1928.)
- A study of Sclerospora graminicola (Sacc.) Schroet. on Setaria viridis (L.) Beauv. and Zea mays L. I. E. Melhus, F. H. Van Haltern, and D. E. Bliss. (Iowa Sta. Res. Bul. 111, p. 293-340, 8 figs. July, 1928.)
- Infection studies with watermelon wilt caused by Fusarium niveum EFS. D. R. Porter. (Iowa Sta. Res. Bul. 112, p. 345-368, 9 figs. May, 1928.)
- Physiological studies on the nitrogen fixing bacteria of the genus Rhizobium. R. H. Walker. (Iowa Sta. Res. Bul. 113, p. 369-406, 7 figs. May, 1928.)
- Milk goats. C. A. Matthews and E. Weaver. (Iowa Sta. Circ. 111, 15 p., 5 figs. Apr., 1928.)
- Cockroach destruction in buildings. B. B. Fulton. (Iowa Sta. Circ. 112, 4 p., 1 fig. May, 1928.)
- The importance of vitamin A and vitamin C in the ration of swine, concerning especially their effect on growth and reproduction. J. S. Hughes, C. E. Aubel, and H. F. Lienhardt. (Kansas Sta. Tech. Bul. 23, 48 p., 26 figs. June, 1928.)

Judging price risks in marketing hogs. R. M. Green and E. A. Stokdyk.
(Knasas Sta. Circ. 137, 29 p., 12 figs. Mar., 1928.)

Swine feeding investigations, 1923 to 1926. A. D. Weber, B. M. Anderson,
and H. W. Marston. (Kansas Sta. Circ. 138, 14 p., 1 fig. May, 1928.)

Filling silos. J. B. Fitch. (Kansas Sta. Circ. 139, 8 p., 1 fig. May,
1928.)

Tomato wilt disease. R. P. White. (Kansas Sta. Circ. 140, 5 p., 1 fig.
June, 1928.)

Cape Cod cranberry insects. H. J. Franklin. (Massachusetts Sta. Bul.
239, 67 p., 4 pls., 68 figs. Feb., 1928.)

The food consumption of rural school children in relation to their health.
E. S. Davies. (Massachusetts Sta. Bul. 241, p. 97-147, 12 figs. Mar.,
1928.)

Meteorological observations at the Massachusetts Agricultural Experiment
Station. C. I. Gunness and R. W. Nash. (Massachusetts Sta. Met. Bul.
474, 4 p. June, 1928.)

The breeding of strains of A-tester Yellow Dent corn. K. M. Liu. (Michi-
gan Sta. Tech. Bul. 90, 40 p., 4 pls. Apr., 1928.)

Parchment paper as a source of mold infection in butter. H. Macy and G.
M. Pulkrabek. (Minnesota Sta. Bul. 242, 23 p., 2 figs. Feb., 1928.)

The accuracy of composite cream samples. W. B. Combs, L. M. Thurston, A.
E. Groth, and S. T. Coulter. (Minnesota Sta. Bul. 243, 38 p., 12 figs.
Oct., 1927.)

Marketing country creamery butter by a co-operative sales agency. H. B.
Price. (Minnesota Sta. Bul. 244, 45 p., 9 figs. Mar., 1928.)

The Nebraska farm kitchen. G. Gray. (Nebraska Sta. Bul. 226, 14 p., 1
fig. June, 1928.)

Pump irrigation results. H. E. Weakly and L. L. Zook. (Nebraska Sta. Bul.
227, 12 p., 3 figs. June, 1928.)

Spraying tree fruits. C. C. Wiggans and E. H. Hoppert. (Nebraska Sta. Circ.
36, 28 p., 14 figs. Mar., 1928.)

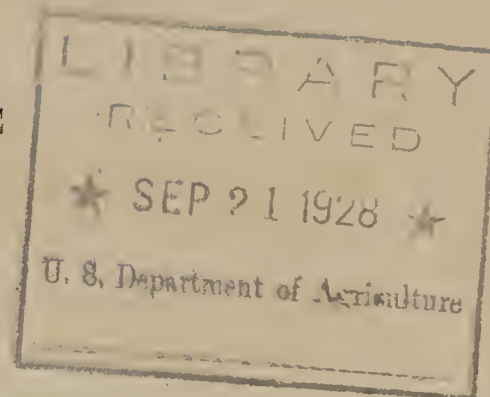
Preliminary report on a study of cattle production costs in Nevada. C. A.
Brennan and G. H. Smith, Jr. (Nevada Sta. Bul. 111, 14 p., 3 figs. Mar.,
1928.)

Annual report of the Board of Control [Nevada Station] for the fiscal year
ending June 30, 1927. S. B. Doten et al. 29 p., 4 figs.

- Coccidiosis in chickens. E. M. Gildow and W. Wisnicky. (New Hampshire Sta. Circ. 27, 4 p., 1 fig. Apr., 1928.)
- Anti-rachitic values of cod liver oil, cod liver meal and fish meal. H. O. Stuart. (New Hampshire Sta. Circ. 28, 4 p. May, 1928.)
- Corn production in New Mexico. J. C. Overpeck. (New Mexico Sta. Bul. 166, 31 p. Feb., 1928.)
- Whey butter. E. S. Guthrie. (New York Cornell Sta. Bul. 468, 12 p. June, 1928.)
- Some relations of green manures to the nitrogen of a soil. T. L. Lyon and B. D. Wilson. (New York Cornell Sta. Mem. 115, 29 p., 7 figs. May, 1928.)
- Vinifera or European grapes in New York. R. Wellington. (New York State Sta. Circ. 101, 7 p. Apr., 1928.)
- The dormant oil spray and the pear spray schedule. F. Z. Hartzell and F. L. Gambrell. (New York State Sta. Circ. 102, 4 p. Apr., 1928.)
- Fruits recommended for New York. (New York State Sta. Circ. 103, 8 p. Apr., 1928.)
- Grape pruning. F. E. Gladwin. (New York State Sta. Circ. 104, 17 p., 8 figs. Apr., 1928.)
- Fiftieth annual report of the North Carolina Agricultural Experiment Station, for the fiscal year ended June 30, 1927. Statistical summary for the year ending December 1, 1927. R. Y. Winters et al. 1117 p., 9 figs.
- Experiment station progress: Report for the biennium, July 1, 1925, to June 30, 1927. P. F. Trowbridge et al. (North Dakota Sta. Bul. 217, 102 p., 39 figs. Mar., 1928.)
- Combine harvesting in North Dakota, progress report. R. C. Miller and A. H. Benton. (North Dakota Sta. Bul. 220, 26 p., 11 figs. June, 1928.)
- Livestock production costs in Greene County, Ohio. J. F. Dowler. (Ohio Sta. Bul. 419, 52 p., 5 figs. May, 1928.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul., vol. 13, No. 4, p. 129-160, 10 figs. July-Aug., 1928.)
- Comparison of cane and kafir silage for milk production. R. B. Becker and W. D. Gallup. (Oklahoma Sta. Bul. 177, 8 p. June, 1928.)
- Advantages of keeping records of household accounts and of budget making. G. Fernandes. (Oklahoma Sta. Circ. 72, 4 p. June, 1928.)

- Current Farm Economics, Oklahoma. (Oklahoma Sta. Cur. Farm Econ., vol. 1, No. 8, 4 p. Apr., 1928.)
- Electric lights for increasing egg production. G. W. Kable, F. E. Fox, and A. G. Lunn. (Oregon Sta. Bul. 231, 37 p., 23 figs. Apr., 1928.)
- Training and pruning apple trees. F. N. Fagan and R. D. Anthony. (Pennsylvania Sta. Bul. 224, 27 p., 29 figs. Apr., 1928.)
- The relation of Bacterium vignae to the tissues of Lima bean. W. S. Beach. (Pennsylvania Sta. Bul. 226, 15 p., 1 pl., 1 fig. May, 1928.)
- Effect of topping on yield of coffee in Porto Rico. T. B. McClelland. (Porto Rico Sta. Bul. 32, 8 p., 5 figs. June, 1928.)
- Fortieth annual report [Texas Agricultural Experiment Station], 1927. A. B. Conner et al. 128 p., 1 fig.
- The beet leafhopper in Utah, a study of its distribution and the occurrence of curly-top. G. F. Knowlton. (Utah Sta. Bul. 205, 23 p., 11 figs. June, 1928.)
- Treehopper injury in Utah orchards. C. J. Sorenson. (Utah Sta. Bul. 206, 18 p., 8 figs. June, 1928.)
- The physical curd character of milk and its relationship to the digestibility and food value of milk for infants. R. L. Hill. (Utah Sta. Bul. 207, 32 p., 14 figs. June, 1928.)
- Commercial feeding stuffs. L. S. Walker and E. F. Boyce. (Vermont Sta. Bul. 281, 32 p. May, 1928.)
- Tax delinquency in northern Wisconsin. B. H. Hibbard, J. Swenehart, W. A. Hartman, and B. W. Allin. (Wisconsin Sta. Bul. 399, 29 p., 6 figs. June, 1928.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
E W ALLEN Chief



LIST OF STATION PUBLICATIONS
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DURING AUGUST 1928

Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

The effect of interplanted legumes on the yields of corn. C. K. McClelland. (Arkansas Sta. Bul. 229, 19 p. July, 1928.)

The thirty-second report on food products and the twentieth report on drug products, 1927. E. M. Bailey. (Connecticut State Sta. Bul. 295, p. 305-355. May, 1928.)

Soil temperature studies with cotton: III, Relation of soil temperature and soil moisture to the soreshin disease of cotton. M. N. Walker. (Florida Sta. Bul. 197, p. 343-371, 9 figs. May, 1928.)

Influence of environment and breeding in increasing dairy production, III. E. Weaver, C. A. Matthews, and H. H. Kildee. (Iowa Sta. Bul. 251, p. 283-328, 31 figs. June, 1928.)

The movement of Iowa's commercial corn and oats. R. C. Bentley. (Iowa Sta. Bul. 252, p. 331-383, 36 figs. July, 1928.)

Soybean inoculation studies. L. W. Erdman and F. S. Wilkins. (Iowa Sta. Res. Bul. 114, 56 p. June, 1928.)

Soggy breakdown of apples and its control by storage temperature. H. H. Plagge and T. J. Maney. (Iowa Sta. Res. Bul. 115, p. 57-118, 22 figs. June, 1928.)

Apple breeding: A study of Jonathan crosses. H. L. Lantz. (Iowa Sta. Res. Bul. 116, p. 121-160, 13 figs. June, 1928.)

Meteorological observations at the Massachusetts Agricultural Experiment Station. C. I. Guinness and R. W. Nash. (Massachusetts Sta. Met. Bul. 475, 4 p. July, 1928.)

The rural cemetery. C. P. Halligan and H. K. Menhinnick. (Michigan Sta. Spec. Bul. 175, 36 p., 17 figs. May, 1928.)

Michigan raspberry diseases. C. W. Bennett. (Michigan Sta. Spec. Bul. 178, 52 p., 34 figs. June, 1928.)

The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 11, No. 1, 42 p., 11 figs. Aug., 1928.)

Cotton diseases in Mississippi and their control. D. C. Neal. (Mississippi Sta. Bul. 248, 30 p., 16 figs. Feb., 1928.)

Cotton production, central station, 1927. J. F. O'Kelly and W. W. Hull. (Mississippi Sta. Bul. 249, 12 p. Jan., 1928.)

Cotton fertilizer experiments. C. B. Anders and W. W. Hull. (Mississippi Sta. Bul. 250, 9 p. Jan., 1928.)

Cotton experiments, 1927, South Mississippi experiment station. E. B. Ferris. (Mississippi Sta. Bul. 251, 14 p., 2 figs. Dec., 1927.)

Report Raymond branch experiment station, 1927. H. F. Wallace. (Mississippi Sta. Bul. 252, 23 p. Dec., 1927.)

Report of Holly Springs branch experiment station, 1927. C. T. Ames and O. B. Casanova. (Mississippi Sta. Bul. 253, 31 p., 5 figs. Dec., 1927.)

The mode of inheritance of yearly butterfat production, an analysis of the progeny performance of Jersey sires and dams. C. W. Turner. (Missouri Sta. Res. Bul. 112, 130 p., 9 figs. Nov., 1927.)

Growth and development, with special reference to domestic animals: XI, Further investigations on surface area with special reference to its significance in energy metabolism. S. Brody, J. E. Comfort, and J. S. Matthews. (Missouri Sta. Res. Bul. 115, 60 p., 65 figs. Mar., 1928.)

Growth and development, with special reference to domestic animals: XII, Additional illustrations of the influence of food supply on the velocity constant of growth and on the shape of the growth curve. S. Brody. (Missouri Sta. Res. Bul. 116, 16 p., 11 figs. Apr., 1928.)

Forth-first annual report of the Agricultural Experiment Station of Nebraska [1927]. W. W. Burr et al. 43 p.

The development of water supplies for irrigation in Nevada by pumping from underground sources. F. L. Bixby and G. Hardman. (Nevada Sta. Bul. 112, 38 p., 16 figs. Apr., 1928.)

Red water disease of cattle (Bacillary hemoglobinuria). E. Records and L. R. Vawter. (Nevada Sta. Bul. 113, 12 p., 1 fig. July, 1928.)

Hog feeding experiments. F. B. Headley. (Nevada Sta. Bul. 114, 46 p., 20 figs. July, 1928.)

The greasewood (Sarcobatus vermiculatus), a range plant poisonous to sheep. C. E. Fleming, M. R. Miller, and L. R. Vawter. (Nevada Sta. Bul. 115, 22 p., 4 figs. July, 1928.)

- Farmers' cooperative business organizations in New York. J. F. Booth. (New York Cornell Sta. Bul. 461, 123 p., 21 figs. Mar., 1928.)
- Interrelationships of supply and price. G. F. Warren and F. A. Pearson. (New York Cornell Sta. Bul. 466, 144 p., 89 figs. Mar., 1928.)
- Influence of crop rotation and soil treatments upon the yield of crops in Cecil clay loam soil. C. B. Williams, S. K. Jackson, and F. T. Meacham. (North Carolina Sta. Bul. 256, 12 p. May, 1928.)
- The toxicity to cotton seedlings of high concentrations of soluble nitrogenous fertilizers. L. G. Willis and E. A. Davis. (North Carolina Sta. Tech Bul. 30, 12 p. May, 1928.)
- The eradication of infectious abortion from the dairy herd of Oregon State Agricultural College. B. T. Simms et al. (Oregon Sta. Bul. 232, 12 p., 3 figs. June, 1928.)
- A study of the ratios of assessed values to sale values of real property in Oregon. W. H. Dreesen. (Oregon Sta. Bul. 233, 45 p., 8 figs. June, 1928.)
- The removal of spray residue from apples and pears. H. Hartmand, R. H. Robinson, and S. M. Zeller. (Oregon Sta. Bul. 234, 38 p., 3 figs. June, 1928.)
- Fertilizers for early cabbage, tomatoes, cucumbers, and sweet corn. D. Comin and J. Bushnell. (Ohio Sta. Bul. 420, 42 p., 3 figs. May, 1928.)
- Mixtures of spring cereals and flax in Ohio. L. E. Thatcher. (Ohio Sta. Bul. 421, 17 p., 2 figs. July, 1928.)
- Cherry pollination studies. J. S. Shoemaker. (Ohio Sta. Bul. 422, 34 p., 5 figs. July, 1928.)
- A study of the genus *Eulia* Hubner, with special reference to the North American species. S. W. Frost. (Pennsylvania Sta. Bul. 225, 24 p., 24 figs. May, 1928.)
- Experiments in tomato production. W. B. Mack. (Pennsylvania Sta. Bul. 227, 27 p., 7 figs. June, 1928.)
- The relationship between Bacillus amylovorus and leaf tissues of the apple. J. M. Haber. (Pennsylvania Sta. Bul. 228, 15 p., 9 figs. June, 1928.)
- Annual summary of publications. B. Condit-Pittman. (Utah Sta. Circ. 73, 12 p. July, 1928.)
- Rules and regulations for the Fifth Utah intermountain egg-laying contest. B. Alder. (Utah Sta. Circ. 74, 4 p., 1 fig. Aug., 1928.)
- The market for milk in Richmond, Virginia. J. J. Vernon and R. S. Kifer. (Virginia Sta. Bul. 263, 15 p., 5 figs. June, 1928.)

Arsenical spray residue and its removal from apples and pears. F. D. Heald et al. (Washington Col. Sta. Bul. 226, 100 p., 16 figs. May, 1928.)

Irrigation west of the Cascades. L. J. Smith and H. L. Garver. (Washington Col. Sta. Pop. Bul. 140, 52 p., 34 figs. May, 1928.)

The removal of spray residue from apples and pears in Washington State. J. R. Magness et al. (Washington Col. Sta. Pop. Bul. 142, 29 p., 12 figs. July, 1928.)

Special interest groups in rural society. J. H. Kolb and A. F. Wileden. (Wisconsin Sta. Res. Bul. 84, 110 p., 30 figs. Dec., 1927.)

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LIST OF STATION PUBLICATIONS
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Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

The influence of various nitrogenous fertilizers on the availability of phosphate and potassium. J. F. Fudge. (Alabama Sta. Bul. 227, 49 p. July 1928.)

Thirty-eighth annual report, fiscal year ending June 30, 1927, of the agricultural experiment station of the Alabama Polytechnic Institute, Auburn. M. J. Funchess et al. 32 p., 3 figs.

Citrus chlorosis as affected by irrigation and fertilizer treatments. P. S. Burgess and G. G. Pohlman. (Arizona Sta. Bul. 124, p. 182-232, 2 pls., 7 figs. May 1928.)

Lessons from southwestern Indian agriculture. S. P. Clark. (Arizona Sta. Bul. 125, p. 233-252, 14 figs. May 1928.)

Experiments with small grains in southern Arizona. I. A. Briggs and R. S. Hawkins. (Arizona Sta. Bul. 126, p. 253-273, 7 figs. June 1928.)

Absorption of moisture by stored grain in the arid Southwest. S. P. Clark. (Arizona Sta. Timely Hints for Farmers 159, 8 p., 7 figs. May 1928.)

A study of the effect of commercial fertilizers on the performance of apple trees. J. R. Cooper. (Arkansas Sta. Bul. 227, 61 p., 14 figs. June 1928.)

Series on California crops and prices: Oranges. H. R. Wellman and W. W. Braun. (California Sta. Bul. 457, 58 p., 22 figs. Aug. 1928.)

Colorado wheat varieties. A. Kezer et al. (Colorado Sta. Bul. 329, 55 p., 9 figs. Jan., 1928.)

Effect of acid wash on the keeping qualities of apples; a practical home-made apple-washing machine. F. M. Green. (Colorado Sta. Bul. 343, 18 p., 4 figs. Aug. 1928.)

Tobacco culture in Florida. W. B. Tisdale. (Florida Sta. Bul. 198, p. 375-428, 16 figs. June 1928.)

University of Florida Agricultural Experiment Station report for the fiscal year ending June 30, 1927. W. Newell et al. 121R + v p., 14 figs.

- Study of bull associations in Idaho. H. A. Mathiesen and F. W. Atkeson. (Idaho Sta. Bul. 161, 62 p., 13 figs. July 1928.)
- The Idaho wool caliper and its application in making density determinations. J. E. Nordby. (Idaho Sta. Circ. 52, 8 p., 5 figs. July 1928.)
- The pathology of bacillary white diarrhea in chicks. L. P. Doyle and F. P. Mathews. (Indiana Sta. Bul. 323, 16 p., 7 figs. July 1928.)
- Air-cooled apple storages C. E. Baker. (Indiana Sta. Circ. 154, 24 p., 20 figs. June 1928.)
- Commercial fertilizers. H. R. Kraybill et al. (Indiana Sta. Circ. 155, 70 p., 1 fig. June 1928.)
- Commercial feeding stuffs. H. R. Kraybill et al. (Indiana Sta. Circ. 156, 40 p., 1 fig. July 1928.)
- Electric service for light, heat and power. T. E. Hinton and M. Rapp. (Indiana Sta. Circ. 157, 26 p., 32 figs. Aug. 1928.)
- A technical study of the maintenance and fattening of lambs and their utilization of a ration of alfalfa hay and corn. H. H. Mitchell, W. G. Kammlade and T. S. Hamilton. (Illinois Sta. Bul. 314, p. 29-60. Aug. 1928.)
- Information regarding recent publications. (Kansas Sta. Circ. 141, 6 p. July 1928.)
- Observations and experiments on the control of true tobacco mosaic. W. D. Valleau and E. M. Johnson. (Kentucky Sta. Bul. 280, p. 145-174, 6 figs. Sept. 1927.)
- Tobacco frenching--A nitrogen deficiency disease. W. D. Valleau and E. M. Johnson. (Kentucky Sta. Bul. 281, p. 175-253, 12 figs. Dec. 1927.)
- Marketing Kentucky eggs. D. G. Card. (Kentucky Sta. Bul. 283, 42 p., 7 figs. Jan. 1928.)
- The McIntosh apple on the New York market. L. P. Jefferson. (Massachusetts Sta. Bul. 243, p. 189-200. May 1928.)
- Type-of-farming areas in Massachusetts. R. L. Mighell and M. Brown. (Massachusetts Sta. Bul. 244, p. 252-268, 15 figs. June 1928.)
- Washing powders for dairy use. A. W. Phillips, M. J. Mack, and J. H. Frandsen. Massachusetts Sta. Tech. Bul. 13, p. 177-187. May 1928.)
- Cutaneous immunity in relation to contagious epithelioma. N. J. Pyle. (Massachusetts Sta. Tech. Bul. 14, p. 201-216. June 1928.)
- The extraction of apple juices in the manufacture of jelly. C. E. Fellers. (Massachusetts Sta. Tech. Bul. 15, p. 217-251, 6 figs. June 1928.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station. C. I. Gunness and H. Baumgartner. (Massachusetts Sta. Met. Bul. 473, 4 p. May 1928.)

- Meteorological observations at the Massachusetts Agricultural Experiment Station. C.I. Gunness and R.W. Nash. (Massachusetts Sta. Met. Bul. 476, 4 p. Aug. 1928.)
- Farmers' cooperative buying and selling organizations in Michigan. C.F. Clayton and J.T. Horner. (Michigan Sta. Spec. Bul. 171, 104 p., 30 figs. May 1928.)
- The significance of soil variation in raspberry culture. M.B. Hoffman and G.R. Schlubatis. (Michigan Sta. Spec. Bul. 177, 20 p., 8 figs. June 1928.)
- A study of the cause of honey fermentation. F.W. Fabian and R.I. Quinet. (Michigan Sta. Tech. Bul. 92, 41 p., 20 figs. Feb. 1928.)
- Report of Northeast Experiment Station, Duluth [Minnesota], 1926 and 1927. M.J. Thompson. 60 p., 12 figs.
- The Fulgoridae or plant-hoppers of Mississippi, including those of possible occurrence, a taxonomic, biological, ecological and economic study. H.J. Dozier. (Mississippi Sta. Tech. Bul. 14, 152 p., 35 figs. Dec. 1926.)
- Phyllophaga of Mississippi. J.M. Langston. (Mississippi Sta. Tech. Bul. 15, 103 p., 13 pls. Oct. 1927.)
- Testing fertilizers for Missouri farmers, 1927. L. D. Haigh. (Missouri Sta. Bul. 260, 62 p., 1 fig. Apr. 1928.)
- The effect of gestation and lactation upon the growth and composition of swine. D. J. Griswold, P. F. Trowbridge, A. G. Hogan and L. D. Haigh. (Missouri Sta. Res. Bul. 114, 62 p., 4 pls. Feb. 1928.)
- Controlling the insect pests of strawberries. L. Haseman. (Missouri Sta. Circ. 168, 12 p., 8 figs. Mar. 1928.)
- The relationship of weather to crops in the Plains region of Montana. P. Patton. (Montana Sta. Bul. 206, 66 p., 31 figs. Aug. 1927.)
- Soil survey of the Sun River irrigation project. W. DeYoung. (Montana Sta. Bul. 207, 48 p., 6 pls., 3 figs. Sept. 1927.)
- Sclerotinia wilt of sunflowers. P. A. Young and H. E. Morris. (Montana Sta. Bul. 208, 32 p., 3 pls., 8 figs. Sept. 1927.)
- Marketing high protein wheat. E. J. Bell, jr. (Montana Sta. Bul. 213, 47 p., 31 figs. May 1928.)
- Some physical and physiological activities of dairy cows under conditions of modern herd management. J. M. Fuller. (New Hampshire Sta. Tech. Bul. 35, 30 p., 4 figs. June 1928.)
- Wool covering on face, ears and legs. E. G. Ritzman. (New Hampshire Sta. Tech. Bul. 37, 35 p., 4 pls., 1 fig. June 1928.)
- The larval parasites of the oriental peach moth (Laspeyresia molesta Busck) with special reference to the biology of Macrocentrus ancylihora Rohwer. L. A. Stearns. (New Jersey Sta. Bul. 460, 24 p., 4 figs. July 1928.)

- A manual of bee husbandry. E. G. Carr. (New Jersey Stas. Bul. 463, 87 p., 43 figs. Aug. 1928.)
- Analyses of commercial feeding stuffs and registrations for 1928. C. S. Cathcart. (New Jersey Stas. Bul. 471, 102 p. June 1928.)
- A practical incinerator for poultry plants. C. B. Hudson. (New Jersey Stas. Hints to Poultrymen, vol. 16, No. 10, 4 p., 2 figs. July 1928.)
- The feeding of cod-liver oil. O. N. Massengale. (New Jersey Stas. Hints to Poultrymen, vol. 16, No. 11, 4 p., 1 fig. Aug. 1928.)
- Turkeys W. C. Thompson and F. R. Beaudette. (New Jersey Stas. Hints to Poultrymen, vol. 16, No. 12, 4 p., 1 fig. Sept. 1928.)
- The giant apple root borer. R. F. Crawford and J. E. Eyer. (New Mexico Sta. Bul. 168, 8 p., 6 figs. May 1928.)
- Factors affecting the germination and growth of chamiza (Atriplex canescens). C. P. Wilson. (New Mexico Sta. Bul. 169, 29 p., 10 figs. June 1928.)
- Tomato fertilizer experiments in Chautauqua County, New York, P. Work. (New York Cornell Sta. Bul. 467, 24 p., 7 figs. June 1928.)
- The collection of general property taxes on farm property in the United States, with emphasis on New York. M. S. Kendrick. (New York Cornell Sta. Bul. 469, 51 p., 4 figs. June 1928.)
- Akenes of some compositae. A. M. Blake. (North Dakota Sta. Bul. 218, 19 p., 40 figs. Apr. 1928.)
- Williston Substation report for April 1, 1927, to March 31, 1928. E. G. Schollander. (North Dakota Sta. Bul. 219, 28 p., 12 figs. May, 1928.)
- Social organizations and agencies in North Dakota. E. A. Willson. (North Dakota Sta. Bul. 221, 79 p., 71 figs. Aug. 1928.)
- The duration of immunity in dogs following the single-injection method of anti-rabic vaccination. A. Broerman and B. H. Edgington. (Ohio Sta. Bul. 423, 13 p. July 1928.)
- Dairy and other livestock production costs in Medina County, Ohio. F. L. Morison. (Ohio Sta. Bul. 424, 53 p., 4 figs. July 1928.)
- Public revenue in Ohio with especial reference to rural taxation. H. R. Moore and J. I. Falconer. (Ohio Sta. Bul. 425, 41 p., 7 figs. Aug. 1928.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul., vol. 13, No. 5, p. 161-192, 6 figs. Sept.-Oct. 1928.)
- Green feed and pasture for poultry. H. A. Schoth. (Oregon Sta. Circ. 85, 16 p., 5 figs. July 1928.)

- Soil fertility experiments on Volusia and Westmoreland soils. J. W. White and F. D. Gardner. (Pennsylvania Sta. Bul. 229, 31 p., 5 figs. June 1928.)
- An analytical study of the putting greens of Rhode Island golf courses. B. E. Gilbert. (Rhode Island Sta. Bul. 212, 15 p. June 1928.)
- The effect of sodium chloride and carbonate on the growth of asparagus. B. L. Hartwell, J. B. Smith, and S. C. Damon. (Rhode Island Sta. Bul. 213, 16 p., 1 fig. June 1928.)
- Concerning Rhode Island soils in different parts of the State. B. L. Hartwell and J. B. Smith. (Rhode Island Sta. Bul. 214, 24 p., 3 figs. June 1928.)
- Sources of carload receipts of food in Providence, Rhode Island, 1921-1925. R. B. Corbett. (Rhode Island Sta. Bul. 215, 106 p., 45 figs. June 1928.)
- The business side of dairying. W. C. Jensen and B. A. Russell. (South Carolina Sta. Bul. 249, 72 p., 12 figs. July 1928.)
- Analyses of commercial fertilizers. R. N. Brackett and D. H. Henry. (South Carolina Sta. Bul. 250, 66 p. Aug. 1928.)
- Taxation and public finance in South Dakota. E. P. Crossen. (South Dakota Sta. Bul. 232, 76 p., 6 figs. June 1928.)
- Equalizing library opportunities in South Dakota. W. F. Kumlien. (South Dakota Sta. Bul. 233, 31 p., 12 figs. June 1928.)
- South Dakota potatoes, production, prices, destinations. V. R. Wertz. (South Dakota Sta. Bul. 234, 40 p., 28 figs. June 1928.)
- Profitable farming systems for the intensive spring wheat area in South Dakota. C. A. Bonnen and R. H. Rogers. (South Dakota Sta. Bul. 235, 48 p., 17 figs. June 1928.)
- Fortieth annual report [Tennessee Sta.], 1927. C. A. Mooers et al. 43 p., 5 figs.
- The bagworms of Texas. F. M. Jones and H. B. Parks. (Texas Sta. Bul. 382, 36 p., 21 figs. July 1928.)
- Relation of farm prices to quality of cotton. G. L. Crawford and L. P. Gabbard. (Texas Sta. Bul. 383, 29 p., 4 figs. July 1928.)
- Studies in tolerance of New England forest trees: VIII, Effect of spacing in a jack pine plantation. W. R. Adams, jr. (Vermont Sta. Bul. 282, 55 p., 21 figs. June 1928.)
- Life history of the codling moth in Virginia. W. J. Schoene et al. (Virginia Sta. Bul. 261, 56 p., 3 figs. Mar. 1928.)
- The control of cereal smuts by seed treatment. F. D. Fromme. (Virginia Sta. Bul. 262, 16 p., 4 figs. June 1928.)

Cultural experiments with wheat for grain and forage production. C. E. Hill.
(Washington Col. Sta. Bul. 227, 46 p., 9 figs. July 1928.)

Propagation of fruit trees. C. L. Vincent and W. A. Luce. (Washington Col. Sta.
Pop. Bul. 141, 46 p., 19 figs. June 1928.)

Lessons from the University dairy herd. H. S. Willard. (Wyoming Sta. Bul. 160,
36 p., 6 figs. July 1928.)

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LIST OF STATION PUBLICATIONS
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Note:- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Farm credit in a plantation and an upland cotton district in Arkansas. B. M. Gile and A. N. Moore. (Arkansas Sta. Bul. 328, 50 p., 11 figs. June 1928.)

Colorado pavement and subgrade studies. O. V. Adams and J. G. Rose. (Colorado Sta. Bul. 330, 69 p., 2 pls., 15 figs. Jan. 1928.)

Eighth annual report [Georgia Coastal Plain Station], 1927. S. H. Starr. (Georgia Coastal Plain Sta. Bul. 9, 63 p. June 1928.)

Statistics on the prices and destinations of Idaho apples, the four crops 1923 to 1926. C. F. Wells. (Idaho Sta. Bul. 162, 15 p. June 1928.)

Market destinations of Illinois grain. C. L. Stewart, L. J. Norton, and L. F. Rickey. (Illinois Sta. Bul. 315, p. 62-115, 10 figs. Sept. 1928.)

Whiteside County soils. R. S. Smith, O. I. Ellis, E. E. DeTurk, F. C. Bauer, and L. H. Smith. (Illinois Sta. Soil Rpt. 40, 65 p., 2 pls., 9 figs.] June 1928.)

A year's progress in solving farm problems in Illinois: Annual report of Illinois Agricultural Experiment Station for the year ended June 30, 1928. Compiled and edited by F. J. Keilholz. 321 p., 53 figs.

Soil survey of Iowa.--Jefferson County soils. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 50, 64 p., 1 pl., 10 figs.] June 1927.)

Soil survey of Iowa.--Clarke County soils. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 51, 56 p., 1 pl., 10 figs. June 1928.)

Soil survey of Iowa.--Winneshiek County soils. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 52, 80 p., 2 pls., 20 figs. June 1928.)

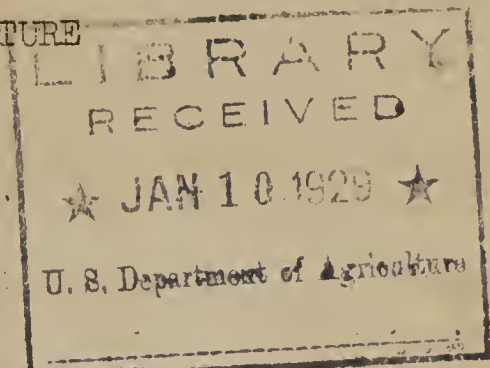
Soil survey of Iowa.--Appanoose County soils. W. H. Stevenson, P. E. Brown, et al. (Iowa Sta. Soil Survey Rpt. 53, 62 p., 1 pl., 9 figs. June 1928.)

- Commercial feeds and their use in Kentucky in 1927. J. D. Turner et al. (Kentucky Sta. Bul. 284, p. 45-109, 4 figs. May 1928.)
- Thirty-ninth annual report of the agricultural experiment station of the University of Kentucky, Lexington, for the year 1926, Part II. Bulletins 264 to 276. 699. 2 p., 94 figs.
- Fortieth annual report of the agricultural experiment station of the University of Kentucky for the year 1927, Part I, Report of the director, Meteorological summaries. T. P. Cooper. 41 3 p.
- Foods and drugs. J. M. Bartlett. (Maine Sta. Off. Insp. 127, 16 p. Apr. 1928.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station. C. I. Gunness and L. O. Jones. (Massachusetts Sta. Met. Bul. 477, 4 p. Sept. 1928.)
- Forest insurance and its application in Michigan. P. A. Herbert. (Michigan Sta. Spec. Bul. 179, 34 p. Sept. 1928.)
- Cotton wilt, a pathological and physiological investigation. D. C. Neal. (Mississippi Sta. Tech. Bul. 16, 87 p., 9 pl., 2 figs. Feb. 1928.)
- Experiments on the control of a narcissus root rot. H. H. Wedgworth. (Mississippi Sta. Circ. 79, 4 p., 2 figs. Aug. 1928.)
- The feed-purchasing power of a hen's egg production. H. L. Kempster. (Missouri Sta. Bul. 261, 14 p., 7 figs. July 1928.)
- A comparison of some properties of normal and frosted wheats. A. H. Johnson and W. O. Whitcomb. (Montana Sta. Bul. 204, 66 p., 8 figs. Aug. 1927.)
- Blackleg in cattle. H. Welch. (Montana Sta. Circ. 136, 8 p., 4 figs. Sept. 1928.)
- Marketing live broilers in New York City. H. I. Richards and M. F. Abell. Cost of marketing New Hampshire broilers. E. H. Rinear. (New Hampshire Sta. Bul. 234, 31 p., 12 figs. June 1928.)
- Results of seed tests for 1928, made for the State Department of Agriculture. B. I. Glidden. (New Hampshire Sta. Bul. 235, 17 p. Sept. 1928.)
- Spray solutions and the control of apple scab. O. R. Butler and W. L. Doran. (New Hampshire Sta. Tech. Bul. 36, 15 p., 1 fig. June 1928.)
- The chemical composition of the soils of the Trenton area in New Jersey. A. W. Blair and A. L. Prince. (New Jersey Stas. Bul. 462, 14 p., 3 figs.] July 1928.)
- Some phases of nitrogen metabolism in *Polyanthus narcissus*. G. T. Nightingale and W. R. Robbins. (New Jersey Stas. Bul. 472, 32 p., 14 figs.] Aug. 1928.)
- Approved and suggested practices in peach production and marketing for New Jersey. (New Jersey Stas. Bul. 477, 16 p. Aug. 1928.)

- Narcissus for garden and home. H. M. Biekart. (New Jersey Stas. Circ. 204, 26 p., 8 figs. Aug. 1928.)
- Response of oats and soy beans to manganese on some Coastal Plain soils. L. G. Willis. (North Carolina Sta. Bul. 257, 13 p., 6 figs. July 1928.)
- Soybean oil meal for fattening pigs. E. H. Hostetler. (North Carolina Sta. Bul. 259, 12 p., 1 fig. Sept. 1928.)
- Infectious purulent entero-proventriculitis of fowls. B. F. Kaupp, R. S. Dearstyne, H. S. Wilfong, and L. M. Greene. (North Carolina Sta. Tech. Bul. 31, 66 p., 5 figs. July 1928.)
- Fruit varieties in Ohio.--III, Damson plums. J. S. Shoemaker. (Ohio Sta. Bul. 426, 22 p., 6 figs. Sept. 1928.)
- Beef cattle feeding investigations. W. L. Blizzard. (Oklahoma Sta. Bul. 179, 8 p., 7 figs. June 1928.)
- Beef cattle feeding investigations: Progress report. W. L. Blizzard. (Oklahoma Sta. Bul. 184, 4 p., 1 fig.] Aug. 1928.)
- The economic limit of pumping for irrigation, with special reference to Willamette Valley. W. L. Powers. (Oregon Sta. Bul. 235, 48 p., 29 figs. July 1928.)
- Field crops for pump irrigation at Harney Branch Experiment Station, 1920 to 1927. O. Shattuck and R. E. Hutchison. (Oregon Sta. Bul. 236, 30 p., 7 figs. June 1928.)
- Inspection of feeds. J. B. Smith and J. E. Blaney. (Rhode Island Sta. Ann. Feed Circ., 8 p. May 1928.)
- Varieties of Cotton for central east Texas. H. F. Morris and G. T. McNess. (Texas Sta. Bul. 384, 36 p., 2 figs. Sept. 1928.)
- Changes in body measurements of steers during intensive fattening. J. L. Lush. (Texas Sta. Bul. 385, 59 p., 3 figs. Sept. 1928.)
- The relation of season of pruning out old Cuthbert raspberry canes to amount of winter injury. H. D. Locklin. (Western Washington Sta. Bul. 9-W, New Series, 12 p. July 1928.)
- The inheritance of rachilla length and its relation to other characters in a cross between Avena sativa and Avena sativa orientalis. T. E. Odland. (West Virginia Sta. Bul. 219, 55 p., 3 figs. May 1928.)
- How Wisconsin farmers become farm owners. B. H. Hibbard and G. A. Peterson. (Wisconsin Sta. Bul. 402, 35 p., 10 figs.] Aug. 1928.)
- A Fusarium wilt of peas in Wisconsin. M. B. Linford. (Wisconsin Sta. Res. Bul. 85, 44 p., 15 figs. June 1928.)

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LIST OF STATION PUBLICATIONS
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Note:- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Bulb growing in Alaska. C. C. Georgeson. (Alaska Stas. Circ. 2, 11 p., 6 figs. Oct. 1928.)

Base exchange in orthoclase. J. F. Breazeale and O. C. Magistad. (Arizona Sta. Tech. Bul. 24, p. 607-629. Aug. 1928.)

Yield, stand and volume tables for red fir in California. F. X. Schumacher. (California Sta. Bul. 456, 29 p., 9 figs. Aug. 1928.)

Factors influencing percentage calf crop in range herds. G. H. Hart and H. R. Guilbert. (California Sta. Bul. 458, 43 p., 3 figs. Sept. 1928.)

Economic aspects of the fresh plum industry. E. Rauchenstein. (California Sta. Bul. 459, 26 p., 6 figs. Oct. 1928.)

The chemical effect of gypsum, sulfur, iron sulfate, and alum on alkali soil. W. P. Kelley and A. Arany. (Hilgardia [California Sta.], vol. 3, No. 14, p. 393-420. Sept. 1928.)

Changes in composition during ripening and storage of melons. J. T. Rosa. (Hilgardia [California Sta.], vol. 3, No. 15, p. 421-443, 4 figs. Sept. 1928.)

Reaction studies of Delaware soils. C. R. Runk. (Delaware Sta. Bul. 155, 17 p., 7 figs. Sept. 1928.)

Feed requirements of spring and fall pigs. A. E. Tomhave. (Delaware Sta. Bul. 156, 11 p. Sept. 1928.)

The cut-over lands of northern Idaho. J. H. Christ. (Idaho Sta. Bul. 158, 35 p., 6 figs. May 1928.)

Roughages for fattening two-year-old steers. J. M. Evvard, C. C. Culbertson, Q. W. Wallace, and W. E. Hammond. (Iowa Sta. Bul. 253, p. 385-422, 7 figs. July 1928.)

Local cooperative livestock marketing associations in Iowa since 1920. D. A. Fitzgerald. (Iowa Sta. Bul. 254, 63 p., 15 figs. Aug. 1928.)

- An economic study of the hog enterprise in Humboldt County. J. A. Hopkins, jr.
(Iowa Sta. Bul. 255, p. 65-110, 14 figs. Aug. 1928.)
- Superior supplementary blends for the balancing of corn in fall pig production.
J. M. Evvard et al. (Iowa Sta. Leaflet 25, 8 p. Nov. 1928.)
- Swine performance record, litter comparisons. Series I. C. C. Culbertson et al.
(Iowa Sta. Leaflet 26, 14 p. Nov. 1928.)
- Marketing Kentucky Poultry. D. G. Card. (Kentucky Sta. Bul. 285, p. 113-153,
12 figs. June 1928.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station.
C. I. Guinness and L. O. Jones. (Massachusetts Sta. Met. Bul. 472, 4 p. Oct.
1928.)
- Observations on the pathology of Bacterium abortus infections. E. T. Hallman,
L. B. Scholl, and A. L. Delez. (Michigan Sta. Tech. Bul. 93, 19 p., 17 pls.
July 1928.)
- A study of gelatins and their effect on ice cream. P. S. Lucas and E. C. Scott.
(Michigan Sta. Tech. Bul. 94, 24 p., 3 figs. Oct. 1928.)
- Studies in flax retting. A. Trevethick, B. D. Robinson and R. M. Snyder. (Mich-
igan Sta. Tech. Bul. 95, 49 p., 1 fig. Sept. 1928.)
- A study of town-country relationships. C. R. Hoffer. (Michigan Sta. Spec. Bul.
181, 20 p. Oct. 1928.)
- Strawberry growing in Michigan. R. E. Loree. (Michigan Sta. Spec. Bul. 182,
29 p., 9 figs. Sept. 1928.)
- Chrysanthemum breeding. E. D. Smith and A. Laurie. (Michigan Sta. Spec. Bul.
186, 30 p., 19 figs. Nov. 1928.)
- Fattening the pig: corn and protein supplement versus corn alone. P. G. Beden-
baugh. (Mississippi Sta. Circ. 78, 4 p., 1 fig. May 1928.)
- Carcass comparisons of mature and immature steers. M. T. Foster. (Missouri Sta.
Res. Bul. 117, 28 p., 11 figs. May 1928.)
- The lighting of Nebraska rural homes by kerosene and gasoline lamps. G. Gray.
(Nebraska Sta. Bul. 225, 20 p., 9 figs. June 1928.)
- The growth status of the tomato as correlated with organic nitrogen and carbo-
hydrates in roots, stems and leaves. G. T. Nightingale, L. G. Schermerhorn,
and W. R. Robbins. (New Jersey Stas. Bul. 461, 38 p., 26 figs. Sept. 1928.)
- Managing the pullet laying flocks in close confinement. W. C. Thompson. (New
Jersey Stas. Hints to Poultrymen, vol. 17, No. 1, 4 p., 2 figs. Oct. 1928.)
- Rhododendrons and their kin. C. H. Connors. (New Jersey Stas. Circ. 210, 15 p.,
3 figs. July 1928.)

- Defoliation of cherry trees in relation to winter injury. W. O. Gloyer and H. Glasgow. (New York State Sta. Bul. 555, 27 p., 8 figs. Aug. 1928.)
- Composition and cost of commercial feeding stuffs in 1927. A. W. Clark et al. (New York State Sta. Bul. 556, 39 p. Aug. 1928.)
- Studies on the Coccaceae: IX, Further studies on the classification of the micrococci. G. J. Hucker. (New York State Sta. Tech. Bul. 135, 31 p., 1 pl. May 1928.)
- Studies on the Coccaceae: X, The motility of certain cocci. G. J. Hucker and L. M. Thatcher.--XI, Effect of the medium upon the formation of chains by the streptococci. G. J. Hucker. (New York State Sta. Tech. Bul. 136, 18 p., 5 pls. May 1928.)
- Seed treatment for blackleg disease of crucifers. E. E. Clayton. (New York State Sta. Tech. Bul. 137, 58 p., 5 pls. May 1928.)
- A type of bacteria abundant in productive soils but apparently lacking in certain soils of low productivity. H. J. Conn. (New York State Sta. Tech. Bul. 138, 26 p., 4 figs. July 1928.)
- A summary of research studies relating to casein and some of the applications. L. L. Van Slyke. (New York State Sta. Tech. Bul. 139, 41 p. July 1928.)
- The chemistry of sour milk. L. L. Van Slyke. (New York State Sta. Tech. Bul. 140, 14 p. July 1928.)
- Studies on the Coccaceae: XII, Action of the streptococci upon casein. G. J. Hucker. (New York State Sta. Tech. Bul. 141, 13 p. July 1928.)
- Studies on the Coccaceae: XIII, Production of carbon dioxide by the streptococci. G. J. Hucker. (New York State Sta. Tech. Bul. 142, 10 p. July 1928.)
- Studies on the Coccaceae: XIV, Certain biochemical reactions produced by the streptococci. G. J. Hucker. (New York State Sta. Tech. Bul. 143, 64 p. July 1928.)
- Studies on the Coccaceae: XV, Relationships of the various acid-proteolytic cocci. G. J. Hucker. (New York State Sta. Tech. Bul. 144, 20 p. July 1928.)
- Two new varieties of red kidney bean: Geneva and York. W. O. Gloyer. (New York State Sta. Tech. Bul. 145, 51 p., 6 figs. July 1928.)
- Available publications. (New York State Sta. Circ. 105, 7 p. [1928.]
- Forty-seventh annual report of the New York State Agricultural Experiment Station for the fiscal year ended June 30, 1928. F. B. Morrison. 64 p.
- Living conditions among white land-owner operators in Wake County. W. A. Anderson. (North Carolina Sta. Bul. 258, 49 p., 7 figs. June 1928.)

The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul., vol. 13, No. 6, p. 193-232, 8 figs. Nov.-Dec. 1928.)

Grain and sweet sorghums in Oklahoma. A. Daane and K. H. Klages. (Oklahoma Sta. Bul. 180, 19 p., 3 figs. Aug. 1928.)

Educational factors influencing the activities of farm home-makers. G. Fernandes. (Oklahoma Sta. Bul. 182, 14 p. July 1928.)

Moisture in combined wheat. A. Daane. (Oklahoma Sta. Bul. 183, 15 p. Sept. 1928.)

A survey of livestock breeding and feeding practices. W. A. Craft. (Oklahoma Sta. Circ. 73, 24 p., 5 figs. Oct. 1928.)

The Oklahoma farmstead. L. E. Hazen. (Oklahoma Sta. Circ. 74, 37 p., 25 figs. Oct. 1928.)

Forty-first annual report of the Pennsylvania Agricultural Experiment Station... for the fiscal year ending June 30, 1928. R. L. Watts et al. (Pennsylvania Sta. Bul. 230, 56 p., 16 figs. July 1928.)

Selecting dairy cows, appearance less important than performance. G. Q. Bateman. (Utah Sta. Circ. 75, 8 p., 1 fig. Nov. 1928.)

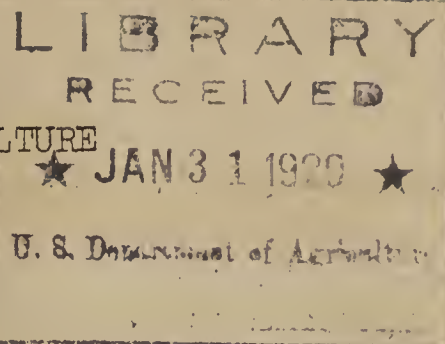
Studies in Vermont dairy farming: IV, Cabot-Marshfield area. E. W. Bell. (Vermont Sta. Bul. 283, 24 p., 4 figs. June 1928.)

Surface and sub-surface waters of the Yakima and Klamath reclamation projects. C. C. Wright. (Washington Col. Sta. Bul. 228, 45 p. July 1928.)

Trees for Washington farms, why; where, what, when, and how to plant. E. H. Steffen and C. M. Senaux. (Washington Col. Sta. Pop. Bul. 143, 47 p., 17 figs. Sept. 1928.)

Getting the most from the dairy herd by better marketing. P. E. McNall and D. R. Mitchell. (Wisconsin Sta. Bul. 398, 14 p., 4 figs. May 1928.)

EX-6411
UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
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LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
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Note:- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Vegetable gardening in Alaska. C. C. Georgeson. (Alaska Stas. Bul. 7, 32 p., 5 figs. Nov. 1928.)

Feeding dairy cattle in Arizona. W. S. Cunningham. (Arizona Sta. Bul. 127, p. 275-298. June 1928.)

Sulphuric acid spray, a practical means for the control of weeds. J. G. Brown and R. B. Streets. (Arizona Sta. Bul. 128, p. 299-316, 6 figs. July 1928.)

The effect of one element of plant food upon the absorption by plants of another element. J. F. Breazeale. (Arizona Sta. Tech. Bul. 19, p. 461-480. May 1928.)

The use of alcoholic salt solutions for the determination of replaceable bases in calcareous soils. O. C. Magistad and P. S. Burgess. (Arizona Sta. Tech. Bul. 20, p. 481-497. May 1928.)

Soil zeolites and plant growth. J. F. Breazeale. (Arizona Sta. Tech. Bul. 21, p. 499-520, 1 fig. June 1928.)

The hydrolysis of sodium and potassium zeolites, with particular reference to potassium in the soil solution. O. C. Magistad. (Arizona Sta. Tech. Bul. 22, p. 521-547, 5 figs. June 1928.)

The baking strength of Arizona early Baart flour. M. C. Smith. (Arizona Sta. Tech. Bul. 23, p. 549-607. July 1928.)

Series on California crops and prices: Lemons. H. R. Wellman and E. W. Braun. (California Sta. Bul. 460, 37 p., 16 figs. Oct. 1928.)

Series on California crops and prices: Economic aspects of the beef cattle industry. E. C. Voorhies and A. B. Koughan. (California Sta. Bul. 461, 128 p., 29 figs. Nov. 1928.)

Series on California crops and prices: Grapefruit. H. R. Wellman and E. W. Braun. (California Sta. Bul. 463, 35 p., 8 figs. Dec. 1928.)

The improved Venturi flume. R. L. Parshall. (Colorado Sta. Bul. 336, 84 p., 30 figs. Mar. 1928.)

- Vascular structure and plugging of alfalfa roots. E. L. LeClerc and L. W. Durrell. (Colorado Sta. Bul. 339, 19 p., 16 figs. Oct. 1928.)
- Cattle ranch organization in the mountains of Colorado. R. T. Burdick, M. Reinholt, and G. S. Klemmedson. (Colorado Sta. Bul. 342, 62 p., 14 figs. Sept. 1928.)
- Report of the Director for the year ending June 30, 1928. W. L. Slate. (Connecticut Storrs Sta. Bul. 150, 35 p., 12 figs. Sept. 1928.)
- The effects of early planting on the composition and yield of corn. B. A. Brown. (Connecticut Storrs Sta. Bul. 151, p. 37-51, 4 figs. Sept. 1928.)
- Unfruitfulness of the pecan. J. G. Woodroof, N. C. Woodroff, and J. E. Bailey. (Georgia Sta. Bul. 148, 40 p., 14 figs. Dec. 1928.)
- An experiment in the free-choice feeding of mineral supplements to dairy cattle. W. B. Nevens. (Illinois Sta. Bul. 316, p. 118-124. Dec. 1928.)
- The possibilities of developing new industrial markets for farm products. R. A. Clemen. (Illinois Sta. Circ. 330, 24 p. Nov., 1928.)
- Analyses of commercial fertilizers. H. E. Curtis, H. R. Allen, and L. Gault. (Kentucky Sta. Bul. 282, p. 257-343. Dec. 1927.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station. C. I. Gunness and L. O. Jones. (Massachusetts Sta. Met. Bul. 479, 4 p. Nov. 1928.)
- The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 11, No. 2, p. 45-90, 11 figs. Nov. 1928.)
- The commercial application of lactobacillus acidophilus milk. E. L. Reichart and H. P. Davis. (Nebraska Sta. Bul. 228, 19 p. Oct. 1928.)
- Spring grains in New Jersey. H. B. Sprague and E. E. Evaul. (New Jersey Stas. Bul. 473, 40 p., 15 figs. Oct. 1928.)
- Analyses of materials sold as insecticides and fungicides during 1928. C. S. Cathcart and R. L. Willis. (New Jersey Stas. Bul. 478, 14 p. Oct. 1928.)
- Hyacinths, for garden and home. H. M. Biekart. (New Jersey Stas. Circ. 203, 23 p., 4 figs. Sept. 1928.)
- A review of some important papers published during the year. C. S. Platt. (New Jersey Stas. Hints to Poultrymen, vol. 17, No. 2, 4 p. Nov. 1928.)
- Rural population of New York, 1855-1925. B. L. Melvin. (New York Cornell Sta. Mem. 116, 121 p., 42 figs. June 1928.)
- A southern upland grass-sedge bog, an ecological study. B. W. Wells and I. V. Shunk. (North Carolina Sta. Tech. Bul. 32, 75 p., 21 pls., 11 figs. Oct. 1928.)

Agglutination and pathological studies in bacillary white diarrhea. R. S. Dearstyne, B. F. Kaupp, and H. S. Wilfong. (North Carolina Sta. Tech. Bul. 34, 27. p., 7 figs. Nov. 1928.)

Inspection of fertilizers. J. B. Smith and W. L. Adams. (Rhode Island Sta. Ann. Fert. Circ., 12 p. Sept. 1928.)

Cotton flea hopper studies of 1927 and 1928. C. O. Eddy. (South Carolina Sta. Bul. 251, 18 p., 3 figs. Oct. 1928.)

The influence of moisture and temperature on cotton root rot. J. J. Taubenhause and B. F. Dana. (Texas Sta. Bul. 386, 23 p., 5 figs. Oct, 1928.)

Commercial fertilizers in 1927-1928 and their uses. G. S. Fraps and S. E. Asbury. (Texas Sta. Bul. 387, 46 p. Oct. 1928.)

Denton wheat, a new variety for north Texas. A H. Leidigh, P. C. Mangelsdorf, and P. B. Dunkle. (Texas Sta. Bul. 388, 20 p., 4 figs. Oct. 1928.)

Life history and control of the pale-striped and banded flea beetles. G. W. Underhill. (Virginia Sta. Bul. 264, 20 p., 9 figs. June 1928.)

Feed and care of the brood sow and litter. F. B. Morrison, J. M. Fargo, and G. Bohstedt. (Wisconsin Sta. Bul. 400, 24 p., 11 figs. July 1928.)

Making rural organizations effective. J. H. Kolb and A. F. Wileden. (Wisconsin Sta. Bul. 403, 27 p., 22 figs. Oct. 1928.)

